380

4209

780803

FORM 1090. **B** M S on.

4209. —

TRALLWN.

1931 – 40.

7

780803

*** The following register of mon &c., is NOT required if daily values are given on the other section and also the space for o this register should be sent:—

RAINFALL IN 193

At Abergwesyn, Trall

In the County of Brecon

Rain Gauge { Diameter of Funnel.................in.
Height of Top above Ground.........ft ....in.
Height of Ground above Sea Level...............ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	10.50				
FEB.	8.00				
MAR.	·80				
APRIL	6.30				
MAY	5.90				
JUNE	6.30				
JULY	6.50				
AUG.	7.00				
SEPT.	2.50				
OCT.	3.30				
NOV.	17.50				
DEC.	5.50				
Total	80.10				

Signature J Felise for MO. X

M

*See Instruction 2 (*f*) below.

.....................in Summer.....................

Distance..................... Direction from gauge ....

Distance..................... Direction from gauge ....

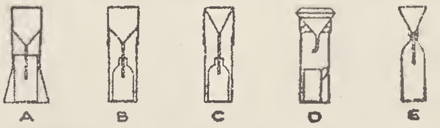
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move..................... Distance..................... Direction.....................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

380

42.09

780803

FORM 1090.

B M Summary.

C Particulars of Station.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Abergwesyn, Irallwn

In the County of Brecon

Rain Gauge
- Diameter of Funnel.............in.
- *Height of Top above Ground.......ft.......in.*
- *Height of Ground above Sea Level.......ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	10.50				
FEB.	8.00				
MAR.	.80				
APRIL	6.30				
MAY	5.90				
JUNE	6.30				
JULY	6.50				
AUG.	7.00				
SEPT.	2.50				
OCT.	3.30				
NOV.	17.50				
DEC.	5.50				
Total	80.10				

Signature g Felise for MO.

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.............in Summer.............

Nearest Railway Station............. Distance............. Direction from gauge.............

Nearest Parish Church at............. Distance............. Direction from gauge.............

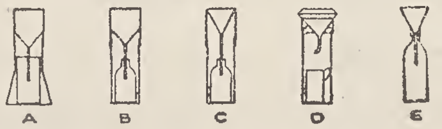
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............. Distance............. Direction.............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, **i.e.**, the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

FORM 1090.

B Monthly Summary.

C Particulars of Station.

No 4209

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932

At Abergwesyn Irallwn
In the County of Brecon

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in*.
Height of Ground above Sea Level .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	17·20				
FEB.	·00				
MAR.	5·70				
APRIL	6·20				
MAY	5·00				
JUNE	·70				
JULY	7·00				
AUG.	2·00				
SEPT.	6·20				
OCT.	15·00				
NOV.	8·20				
DEC.	8·00				
Total	81·20				

Signature J. Felix

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

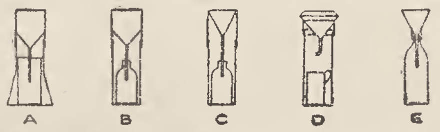
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26134/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Monthly Summary. **C** Particulars of Station. No 4209

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933.

At Abergwesyn Trallwm

In the County of Brecon

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... ft .... in.
Height of Ground above Sea Level .... ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9.20				
FEB.	6.80				
MAR.	6.30				
APRIL	1.80				
MAY	1.90				
JUNE	5.80				
JULY	5.60				
AUG.	1.60				
SEPT.	1.50				
OCT.	9.20				
NOV.	2.00				
DEC.	1.30				
Total	53.00 /				

Signature G Felix

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— ....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

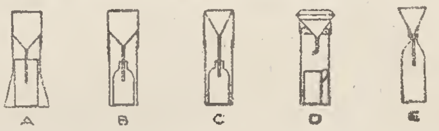
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D NM

No 4209

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Abergwesyn, Irallwn

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	10·10				
FEB.	·60				
MAR.	5·80				
APRIL	5·20				
MAY	4·00				
JUNE	3·30				
JULY	2·80				
AUG.	9·00				
SEPT.	7·40				
OCT.	10·70				
NOV.	2·30				
DEC.	18·80				
Total	80·00 ✓				

Signature J. Felix

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

No 4209

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Abergwesyn, Trallwm

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	4·70				
FEB.	13·00				
MAR.	2·80				
APRIL	9·30				
MAY	1·60				
JUNE	8·80				
JULY	1·50				
AUG.	4·00				
SEPT.	12·70				
OCT.	13·00				
NOV.	13·20				
DEC.	6·50				
Total	91·10				

Signature J. Felise

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

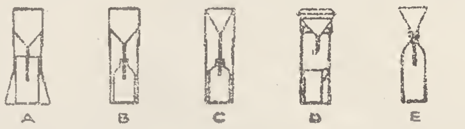
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

No 4209

FORM 1090. **B** Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Abergwesyn, Irallwn

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	8·30				
FEB.	3·00				
MAR.	4·50				
APRIL	3·00				
MAY	3·30				
JUNE	5·60				
JULY	11·30 (~~·90~~)				
AUG.	~~1·50~~	stet			
SEPT.	8·00				
OCT.	7·00				
NOV.	8·80				
DEC.	(12·80) ~~16·00~~				
Total	77·10 ~~80·90~~	✓			

Signature J. Felix

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

Copy by B.R.O.

Hour of observation by the clock—in Winter........in Summer........

Nearest Railway Station........ Distance........ Direction from gauge........

Nearest Parish Church at........ Distance........ Direction from gauge........

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Dec. estd. from surr. stns.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4209

FORM 1090. **B** Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Abergwesyn, Trallwm

In the County of Brecon

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground........ft............in.*
- *Height of Ground above Sea Level.................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·80				
FEB.	~~13·30~~ (12·00)				
MAR.	~~3·70~~ (5·00)				
APRIL	7·00				
MAY	3·00				
JUNE	2·60				
JULY	3·10				
AUG.	1·10				
SEPT.	5·80				
OCT.	4·00				
NOV.	2·80				
DEC.	6·60 ✓				
TOTAL	65.80 ✓				

Signature ....

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Copy by U.R.O.

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter....................in Summer....................

Nearest Railway Station.................... Distance.................... Direction from gauge....................

Nearest Parish Church at.................... Distance.................... Direction from gauge....................

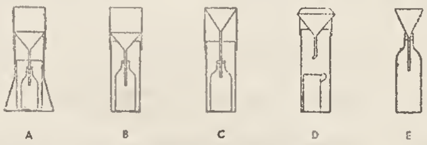
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.................... Direction....................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Feb. & Mar. adjusted by surr. Stas.

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4209

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 193..8

At Abergwesyn, Trallwyn

In the County of ....Brecon..

Rain Gauge
Diameter of Funnel........5..............in.
Height of Top above Ground...1....*ft*.............*in.*
Height of Ground above Sea Level...1000..*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16.00				
FEB.	5.40				
MAR.	2.20				
APRIL	·70				
MAY	5.70				
JUNE	7.00				
JULY	7·80				
AUG.	4·00				
SEPT.	3.60				
OCT.	13.70				
NOV.	14·50				
DEC.	7·70				
TOTAL	88·30 ✓				

Signature D. S. Felise...........

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O

....

Hour of observation by the clock—in Winter.......................in Summer..................

Nearest Railway Station........................ Distance.......... Direction from gauge..............

Nearest Parish Church at........................ Distance.......... Direction from gauge..............

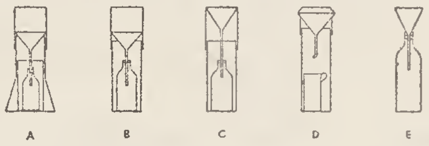
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.............................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4209

FORM [illegible]00.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1939

At Abergwesyn, Trallwn

In the County of Brecon

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* 1000 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·10				
FEB.	7·70				
MAR.	5·50				
APRIL	5·00				
MAY	1·00				
JUNE	5·70				
JULY	13·20				
AUG.	3·30				
SEPT.	1·20				
OCT.	4·00				
NOV.	19·0				
DEC.	7·4				
TOTAL	85.10 ✓				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O

Hour of observation by the clock—in Winter........ in Summer........

Nearest Railway Station........ Distance........ Direction from gauge........

Nearest Parish Church at........ Distance........ Direction from gauge........

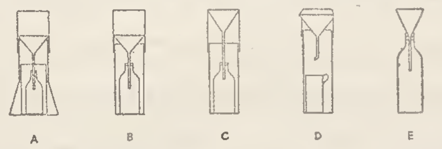
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4209

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Abergwesyn, (Toalltwn.)

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 1000 ft.

BRITISH RAINFALL ORGANIZATION.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15														15
16														16
17														17
18														18
19														19
20														20
21														21
22														22
23														23
24														24
25														25
26														26
27														27
28														28
29														29
30		×												30
31		×		×		×			×		×			31
TOTAL	3.30	7.00	8.40	3.70	2.60	1.20	8.20	1.50	5.00	9.00	16.30	8.00	Year's Total ~~69.55~~	73.60
* Days with .01 in. or more.														
* Days with .04 in. or more.														

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) D. J. Felix

[P.T.O.

XBEULAH (LLWYN

4209|3

BEULAH (LLWYN MADOC)

1937 - 40

74 08 03

Section **A** for the
AIR M

...ion No. 4209/3
ORGANIZATION

FORM 1090

RI

Kept at Llwyn Mado

in the County of ......Br

Diameter of Funnel of Gau

Height of top of Gauge a

,, Ground ,,

THE MORNING M

AY

An observer who does not c
year in the space on the ri

owing

Jan. 1, following ✓

Date	Jan.	Feb.	M									Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·15	1·07	Trace	Trace	—	—	·03	—	·68	·18	·02	·21		1
2	·08	·96	Trace	·12	—	—	—	—	·12	—	—	·62		2
3	·37	·22	—	Trace	·31	·08	·07	—	Trace	—	—	Trace		3
4	1·33	—	—	·14	·36	·12	—	·14	—	—	—	Snow ·98		4
5	·43	—	·06	·05	·02	Trace	·14	Trace	—	—	—	Snow ·06		5
6	Trace	·05	—	·33	·08	·03	—	—	·03	—	·01	—		6
7	—	·95	—	·31	—	·11	—	—	·08	Trace	·03	—		7
8	·04	·32	—	Trace	·07	·43	·20	—	·02	Trace	·30	—		8
9	·26	·16	—	·04	·08	·06	·13	Trace	·44	—	—	—		9
10	·35	·06	Snow ·02	—	—	·05	·02	·02	·02	—	—	·65		10
11	1·52	·02	·54	·09	·12	·23	·21	·07	—	—	—	·07		11
12	·07	·41	·17	—	—	·11	·02	·86	·22	—	—	·23		12
13	—	·07	—	·57	Trace	·47	—	—	·21	—	—	·37		13
14	·16	·02	Snow ·09	·02	—	—	—	—	·13	—	Trace	·07		14
15	·09	·57	—	·51	—	—	·62	·31	·23	—	—	·24		15
16	·38	·23	·62	1·24	—	—	·02	—	·28	—	—	—		16
17	Snow ·41	·21	·58	·21	—	—	Trace	·06	1·91	—	·03	—		17
18	·16	·19	·49	—	—	·04	·17	—	·05	—	·28	Snow ·12		18
19	·57	·17	·03	·38	·06	·03	·04	—	—	—	·09	—		19
20	·38	·41	·43	·86	·02	·02	·09	—	—	—	—	·24		20
21	·32	·30	·02	·29	·04	—	·35	—	·03	·25	—	·12		21
22	·06	·09	·03	·02	·18	—	·62	—	—	·56	·33	·31		22
23	·53	·11	—	—	·64	—	·05	—	—	·28	·22	·08		23
24	—	·91	·18	—	Trace	—	·02	—	·06	·30	—	·22		24
25	—	·76	—	—	·12	—	—	—	·07	·15	—	·07		25
26	—	·57	·05	—	—	—	—	—	—	·07	·01	Trace		26
27	—	Snow ·31	—	Trace	—	—	—	—	Trace	·93	—	—		27
28	—	Snow ·04	—	—	—	·02	—	—	—	·04	—	—		28
29	Snow ·36	×	—	—	—	·04	—	·04	—	1·30	·16	—		29
30	·51	✕	—	—	—	·15	—	·06	·10	·03	·64	—		30
31	·22	✕	—	✕	—	✕	—		✕	·42	✕	—		31
TOTAL	8·75	9·18	3·31	5·18	2·10	1·99	2·80	·76	4·68	4·51	2·12	4·66	Year's Total 50·04	
* Days with .01 in. or more.	23	26	14	16	13	16	17	8	18	12	12	17	192	
* Days with .04 in. or more.	23	24	10	14	11	12	12	7	14	11	7	17	162	

* See Instruction 3 (f) on other side.

N.

† Spare column, no entries required.

(Signed) C M Evan-Thomas [P.T.O.

X C. M. Evan-Thomas Esq X

XBEULAH (LLWYN

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4209/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

685516/37.

Kept at Llwyn Madoc Beulah

in the County of Breconshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 750 ft.

Days extracted

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·15	1·07	Trace	Trace	–	–	·03	–	·68	·18	·02	·21		1
2	·08	·96	Trace	·12	–	–	–	–	·12	–	–	·62		2
3	·37	·22	–	Trace	·31	·08	·07	–	Trace	–	–	Trace		3
4	1·33	–	–	·14	·36	·12	–	·14	–	–	–	Snow ·98		4
5	·43	–	·06	·05	·02	Trace	·14	Trace	–	–	–	Snow ·06		5
6	Trace	·05	–	·33	·08	·03	–	–	·03	–	·01	–		6
7	–	·95	–	·31	–	·11	–	–	·08	Trace	·03	–		7
8	·04	·32	–	Trace	·07	·43	·20	–	·02	Trace	·30	–		8
9	·26	·16	–	·04	·08	·06	·13	Trace	·44	–	–	–		9
10	·35	·06	Snow ·02	–	–	·05	·02	·02	·02	–	–	·65		10
11	1·52	·02	·54	·09	·12	·23	·21	·07	–	–	–	·07		11
12	·07	·41	·17	–	–	·11	·02	·06	·22	–	–	·23		12
13	–	·07	–	·57	Trace	·47	–	–	·21	–	–	·37		13
14	·16	·02	Snow ·09	·02	–	–	–	–	·13	–	Trace	·07		14
15	·09	·57	–	·51	–	–	·62	·31	·23	–	–	·24		15
16	·38	·23	·62	1·24	–	–	·02	–	·28	–	–	–		16
17	Snow ·41	·21	·58	·21	–	–	Trace	·06	1·91	–	·03	–		17
18	·16	·19	·49	–	–	·04	·17	–	·05	–	·28	Snow ·12		18
19	·57	·17	·03	·38	·06	·03	·04	–	–	–	·09	–		19
20	·38	·41	·43	·86	·02	·02	·09	–	–	–	–	·24		20
21	·32	·30	·02	·29	·04	–	·35	–	·03	·25	–	·12		21
22	·06	·09	·03	·02	·18	–	·62	–	–	·56	·33	·31		22
23	·53	·11	–	–	·64	–	·05	–	–	·28	·22	·08		23
24	–	·91	·18	–	Trace	–	·02	–	·06	·30	–	·22		24
25	–	·76	–	–	·12	–	–	–	·07	·15	–	·07		25
26	–	·57	·05	–	–	–	–	–	–	·07	·01	Trace		26
27	–	Snow ·31	–	Trace	–	–	–	–	Trace	·93	–	–		27
28	–	Snow ·04	–	–	–	·02	–	–	–	·04	–	–		28
29	Snow ·36	×	–	–	–	·04	–	·04	–	1·30	·16	–		29
30	·51		–	–	–	·15	–	·06	·10	·03	·64	–		30
31	·22		–		–		–			·42		–		31
TOTAL	8·75	9·18	3·31	5·18	2·10	1·99	2·80	·76	4·68	4·51	2·12	4·66	Year's Total 50·04	
* Days with .01 in. or more.	23	26	14	16	13	16	17	8	18	12	12	17	192	
* Days with .04 in. or more.	23	24	10	14	11	12	12	7	14	11	7	17	162	

N

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) C M Evan-Thomas [P.T.O.

X C. M. Evan-Thomas Esq X

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4209/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Days ✓ W.E.R.

W. J wrong way. ✓ W.E.R.

Kept at Llwyn Madoc Beulah

in the County of Breconshire

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 750 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	·09 ·09	–	·26	·09	1·38 ·36	·09	·26 Trace	–	·52 ·15	·11 ·09	·49 ·06		1
2	–	–	–	·02	·10	·09	1·03	–	Trace	1·47	·07	·01		2
3	Trace	–	Trace	·01	–	·04	·62	·28	·01	·52	·05	·45		3
4	·03	Trace	–	·02	–	·02	·10	·05	·20	·40	·03	·06		4
5	·29	–	–	–	–	1·09	1·08	–	·28	1·34	·05	·46		5
6	·42	–	–	–	–	Trace	·36	·17	·23	·15	–	·04		6
7	·34	·03	Trace	–	–	–	·23	·10	–	1·48	–	·20		7
8	Snow ·27	·31	·02	–	–	·54	·16	·31	–	·02	–	·84		8
9	·22	·03	Trace	–	–	Trace	·47	·27	–	·30	–	·38		9
10	·90	·12	–	–	Trace	·03	·02	·02	Trace	·18	·71	·26		10
11	·97	·03	–	–	·66	·01	·02	–	–	·81	1·62	·16		11
12	·04	–	–	–	·23	–	·01	–	Trace	·09	·36	·27		12
13	1·84	–	–	–	·08	–	·13	–	·02	Trace	·02	–		13
14	·54	–	·13	–	1·22	–	Trace	·07	–	·08	·16	·38		14
15	·64	–	·05	–	·02	–	–	·04	–	·12	·09	–		15
16	–	–	Trace	–	Trace	–	·03	–	·48	·28	–	Trace		16
17	·32	·02	–	–	–	·04	–	·78	·32	·10	·84	–		17
18	·09	Trace	–	–	–	–	–	·05	Trace	–	·74	Snow Trace		18
19	·21	–	·10	–	–	–	–	·02	·02	–	·45	–		19
20	–	–	Trace	–	–	–	–	·07	·18	–	·34	–		20
21	·02	–	–	·04	Trace	·16	–	·11	–	–	·68	Trace		21
22	·05	–	–	·09	·08	·04	·01	·02	·03	·02	·17	–		22
23	·28	·18	·34	Trace	·06	·04	Trace	·29	·02	·05	·18	–		23
24	·08	·54	·02	–	·03	·02	·35	–	–	·39	1·61	–		24
25	·47	·90	·17	–	·16	·97	·04	–	–	·52	·07	·08		25
26	·54	·36	·05	–	·67	·09	·34	·15	·17	·07	·84	·03		26
27	·33	·40	Trace	–	·01	1·37	·13	·06	·15	–	·23	–		27
28	·48	Trace	·03	–	·78	·02	·26	–	·08	·14	·40	–		28
29	·15	✗	–	–	·13	·26	·27	–	·48	–	·44	·29		29
30	·46		–	–	·54	Trace	·02	·17	·52	·67	·49	·21		30
31	·09		–		1·38		·26	–		·11		·78		31
TOTAL	9·98 ~~10·07~~	3·10 ~~3·01~~	·91	·44	4·86 ~~6·24~~	6·57 ~~5·19~~	5·77 ~~6·03~~	3·29 ~~3·03~~	2·67 ~~3·19~~	9·87 ~~9·46~~	10·35 ~~10·73~~	4·67 ~~4·96~~	Year's Total ✓ ~~63·26~~	62·48
* Days with .01 in. or more.	~~26~~ 25	~~12~~ 13	9	6	16 ~~17~~	19 ~~18~~	~~23~~ 22	20 ~~19~~	~~16~~ 15	24	25	18	212	✓
* Days with .04 in. or more.	~~24~~ 23	~~8~~ 9	6	~~4~~ 3	13	14 ~~13~~	~~17~~ 16	17 ~~16~~	10	22	23	16	172	✓

† Spare column, no entries required.

(*Signed*) O W Evans-Thomas

* See Instruction 3 (f) on other side.

P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4209/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Llwyn Madoc

in the County of Breconshire

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 1 ft. .... in.

,, Ground ,, Sea Level 750 ft.

763

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: Trace

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03	—	·91	—	·10	—	·36	·04	·02	—	·04	·17		1
2	Snow ·04	~~·16~~	·05	·36	—	—	·01	·07	·15	Trace	·27	·36		2
·52 3	Snow ·52	—	·21	·53	—	—	·02	·44	·07	—	·04	·34		3
4	—	—	·54	·45	·30	—	—	·03	·02	·21	·32	·95		4
5	—	—	·01	·28	—	—	·47	Trace	—	·12	·42	·76		5
6	·94	·20	·18	—	Trace	—	·34	—	—	·01	·49	Trace		6
7	·09	·43	·09	—	—	—	1·42	·09	—	—	·37	—		7
8	·57	·87	·54	—	·16	—	·48	·06	—	·36	1·46	·70		8
9	·07	·66	·01	—	—	—	·69	·02	Trace	·20	·08	·08		9
10	·79	·02	·02	—	—	—	Trace	·95	·16	·56	·02	·93		10
11	Snow ·06	·22	·21	—	—	·01	—	Trace	—	·13	·02	·58		11
12	·40	·08	—	·24	—	·02	—	—	·13	·07	—	·01		12
13	—	·03	—	·62	·06	—	Trace	—	·23	·04	—	—		13
14	1·48	—	·01	·18	·08	—	·53	—	Trace	·03	·13	—		14
15	·57	·05	·09	·29	·10	·24	·09	—	—	—	·65	—		15
16	·54	·03	·06	·02	·15	1·06	·41	—	—	—	·37	—		16
17	·96	·31	—	·01	—	Trace	Trace	—	—	·01	·84	—		17
18	·36	·02	·02	—	—	·50	·06	—	—	—	·15	—		18
19	·28	·12	Trace	—	—	·43	·52	—	—	—	1·15	—		19
20	·36	·04	—	—	·01	—	·73	·24	—	—	·03	—		20
21	·26	·23	·46	·15	·02	—	·10	·05	Trace	—	—	Trace		21
22	1·02	Snow ·98	·27	·17	—	·10	·47	—	·02	Trace	—	—		22
23	·38	·30	·07	·39	—	·49	·06	—	—	·22	1·40	—		23
24	Snow ·02	·09	·02	·03	—	·8	·64	—	—	·30	·58	—		24
25	·09	·15	—	·02	—	·6	·03	—	—	·26	Trace	—		25
26	·08	·02	—	·04	—	·01	·15	·40	—	·05	2·39	—		26
27	—	·61	·03	—	—	Trace	—	·38	—	—	·80	·01		27
28	·04	·40	·06	·06	—	·53	·31	·04	—	—	·12	·02		28
29	Trace	×	Trace	·17	—	·68	1·27	Trace	—	·07	·53	—		29
30	—	✕	—	·03	—	·18	2·02	·02	—	·03	[illegible]	—		30
31	—	✕	—	✕	—	✕	·15	·29	✕	·15	[illegible]	·30		31
TOTAL	9·95	5·80	3·86	4·04	·98	4·58	11·33	3·12	·80	2·82	12·93	5·21	Year's Total 65·42	
* Days with .01 in. or more.	24	22	21	19	9	14	24	15	8	18	25	12	211	
* Days with .04 in. or more.	22	17	14	14	7	11	21	11	4	14	22	9	166	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) C. M. Evan-Thomas

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4209/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Llwyn-Madoc, Beulah

in the County of Breconshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 750 ft.

Nov. total corr. for arithmetic.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	·04	-	·13	—	-	-	-	-	-	·68	tr		1
2	-	-	-	·31	·11	-	·08	-	-	-	2·76	·26		2
3	-	·47	-	·12	—	-	·04	-	-	·03	1·29	·16		3
4	-	·27	-	·05	—	-	·04	-	-	·23	·26	·16		4
5	tr	tr	-	-	·09	-	·11	-	tr	·35	·59	·21		5
6	·60	·84	-	-	—	-	·05	-	-	·93	·04	·41		6
7	·05	·53	-	·02	·01	-	·04	-	·13	·86	·02	·25		7
8	tr	-	-	-	·01	-	·15	tr	-	·36	·20	·43		8
9	-	-	-	·05	—	-	·89	·24	·08	·32	1·12	·45		9
10	-	-	·03	-	—	-	·58	·03	·05	·09	·09	·53		10
11	-	-	·02	·04	—	-	·96	tr	-	tr	1·88	·20		11
12	-	tr	·66	-	—	·11	·23	-	·52	-	·37	tr		12
13	-	-	·08	-	—	-	·01	·04	·05	-	·03	·17		13
14	-	·13	·07	·24	—	-	·05	·01	·26	·46	·27	·68		14
15	-	-	·10	·08	·59	·01	·13	-	·35	·37	·24	·13		15
16	tr	·46	·33	·08	TR	-	·41	-	1·02	·20	·70	·08		16
17	-	-	·73	·02	—	-	tr	·13	·08	-	·17	-		17
18	·49	·65	·22	·30	—	-	—	-	·30	·02	·02	·33		18
19	-	·13	1·22	·24	—	-	·70	·17	·13	tr	·50	-		19
20	-	-	·02	·24	—	-	·29	·01	-	·25	·15	-		20
21	-	-	·22	·02	·21	·49	tr	·05	-	-	2·30	-		21
22	-	·05	·21	·13	·02	·06	—	-	·11	-	·03	-		22
23	-	·09	·20	·16	·04	·06	·02	-	·03	-	·07	-		23
24	·05	tr	·05	-	·08	-	·08	·03	-	-	tr	tr		24
25	tr	-	-	·03	·15	·01	-	-	-	-	-	-		25
26	1·77	·79	-	·11	·36	·04	·09	·01	-	-	·08	·02		26
27	1·00	·98	·01	·25	·02	-	·13	-	·01	-	·20	-		27
28	·08	·28	-	·39	·23	-	—	-	-	-	tr	·01		28
29	-	-	·40	·25	TR	·11	·04	-	-	·01	-	·64		29
30	·40	✕	·10	·38	·06	-	-	-	-	·75	-	·04		30
31	·07	✕	·75	✕	·05	✕	-	-	✕	1·49	✕	·02		31
TOTAL	4·51	5·71	5·42	3·64	2·03	·89	5·12	·72	3·12	6·72	~~13·94~~ 14·06	5·18	Year's Total 57·12	✓
* Days with .01 in. or more.	9	14	19	23	13	8	22	10	14	15	25	20	192	✓
* Days with .04 in. or more.	9	14	15	19	11	6	20	5	12	13	21	17	162	✓

3·32

Print WH

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) [illegible]
C. M. Evan Thomas Esq.

P.T.O.

LLANAFANFAWR

FORM 1090. **B** M
Su

4209/5

Brecon/8

4209/5

LLANAFANFAWR
1932 — 40

780803

***** The following register of mont &c., is NOT required if daily values are given on the other s**

and also the space for

gister should be sent:—
, HOUSE
RECONSHIRE

RAINFALL IN 193

At LLANAFANFAWR

In the County of BRECONS

...in Summer 9 a.m.

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.*
Height of Ground above Sea Level

3¾ m. Direction from gauge E.N.E.

200 yds Direction from gauge E.N.E

TTAGE
20'
20 yards

gauge .. | N.S.W | W | E.N.E

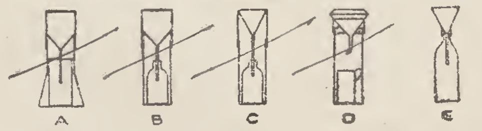
Month.	Total Depth.	Greatest Fall in 24 hours.		N D ·01 or m	
	Inches.	Inches.	Date.		
JAN.	4·17				
FEB.	NIL				
MAR.	2·70				
APRIL	5·02				
MAY	6·25				
JUNE	1·07				
JULY	3·38				
AUG.	1·05				
SEPT.	4·80				
OCT.	7·85				
NOV.	4·44				
DEC.	3·69				
Total	44·42				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Signature W D Swan

Paid ✓

W.D. SWAN ESQ.

O.K. print.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

N

LLANAFAN FAWR

FORM 1090. **B** M
Summary.

Particulars of Station.

(4209/5)
[illegible] /2

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At LLANAFANFAWR, ~~GARTH~~
In the County of BRECONSHIRE

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 3 *in.*
Height of Ground above Sea Level 800 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	4·14				
FEB.	NIL				
MAR.	2·70				
APRIL	5·02				
MAY	6·25				
JUNE	1·07				
JULY	3·38				
AUG.	1·05				
SEPT.	4·80				
OCT.	7·85				
NOV.	4·44				
DEC.	3·69				
Total	44·42				

Signature W D Swan

Part of

W. D. SWAN ESQ.

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
W. D. SWAN, SCHOOL HOUSE
LLANAFANFAWR, GARTH, BRECONSHIRE

Hour of observation by the clock—in Winter 9 am in Summer 9 a.m.
Nearest Railway Station NEWBRIDGE-ON-WYE (G.W.R) RADNORSHIRE Distance 3¾ m. Direction from gauge E.N.E.
Nearest Parish Church at LLANAFANFAWR Distance 200 yds Direction from gauge E.N.E

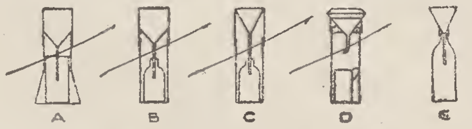
Nature of objects nearest to gauge	SCHOOL	TREES	COTTAGE	
Heights of objects	25′	40′	20′	
Distances ..	30 yards	30 yards	20 yards	
Directions from gauge ..	W.S.W	W	E.N.E	

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

O.K. print.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

N

4209/5

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At LLANAFANFAWR

In the County of BRECONSHIRE

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* — *ft* 7 *in.*
- *Height of Ground above Sea Level* 800 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·64				
FEB.	5·24				
MAR.	4·28				
APRIL	0·98				
MAY	1·98				
JUNE	4·74				
JULY	4·20				
AUG.	0·94				
SEPT.	1·37				
OCT.	7·98				
NOV.	1·36				
DEC.	1·55				
Total	40·26				

Signature W. D. Swan

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
W. D. SWAN, LLANAFANFAWR,
GARTH, BUILTH WELLS, BRECONSHIRE

Hour of observation by the clock—in Winter 9 in Summer 10

Nearest Railway Station GARTH Distance 4 M. Direction from gauge S.S.W.

Nearest Parish Church at LLANAFAN Distance 200 yds Direction from gauge E.N.E.

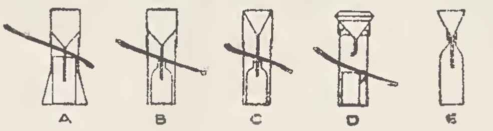
Nature of objects nearest to gauge	SCHOOL	TREES	COTTAGE	
Heights of objects	40 ft.	40 ft.	20 ft.	
Distances ..	40 yds	30 yds	20 yds	
Directions from gauge ..	S.W.	N.W	N.E	

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
2 JAN 1934

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

D

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At LLANAFANFAWR,

In the County of BRECONSHIRE.

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* — *ft* 8 *in.*
- *Height of Ground above Sea Level* 800 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5·47				
FEB.	0·44				
MAR.	3·93				
APRIL	3·72				
MAY	2·68				
JUNE	2·03				
JULY	1·98				
AUG.	6·18	2·01	6th		
SEPT.	4·13				
OCT.	5·53				
NOV.	2·54				
* DEC.	11·76				
Total	50·39				

Signature W. D. Swan

* RECORD.

*See Instruction 2 (*f*) below.

C Particulars of Station.

4209/5

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
W. D. SWAN, LLANAFANFAWR,
GARTH, BUILTH WELLS, BRECONSHIRE

Hour of observation by the clock—in Winter 9 in Summer 10

Nearest Railway Station GARTH Distance 4 MILES Direction from gauge W

Nearest Parish Church at LLANAFAN Distance 200 yds Direction from gauge E

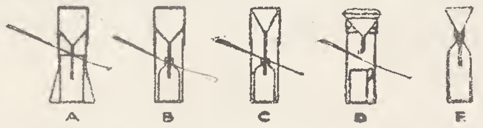
Nature of objects nearest to gauge	SCHOOL	TREES	COTTAGE	
Height of objects	40'	40'	20'	
Distances	40 yds	30 yds	20 yds	
Directions from gauge	S.W.	N.W.	N.E.	

If gauge has been moved during the year state—

Date of move — Distance — Direction —

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall? YES
(b) What note was made of the times of beginning and end of this fall? 5 pm — 5.55 pm
(c) When was the measurement made? Immediately after rain ceased.

Aug. 6th (Bank Holiday)
2·01" fell in 55 minutes.
Direction of storm movement
W.SW → E.NE

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is* "trace". *The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4209/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At LLANAFANFAWR.

In the County of BRECONSHIRE.

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* — *ft* ~~5~~ 8 *in.*
- *Height of Ground above Sea Level* 800 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·50				
FEB.	7·25				
MAR.	1·87				
APRIL	6·91				
MAY	2·17				
JUNE	5·26				
JULY	0·42				
AUG.	1·70				
SEPT.	8·29				
OCT.	7·54				
NOV.	8·81				
DEC.	5·57				
Total	58·29				

Signature W. D. Swan

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

W. D. SWAN, LLANAFANFAWR,
GARTH, BUILTH WELLS, BRECONSHIRE

Hour of observation by the clock—in Winter 10 am in Summer 10 am

Nearest Railway Station GARTH Distance 4 m. Direction from gauge W.

Nearest Parish Church at LLANAFAN Distance 200 yds Direction from gauge E.N.E.

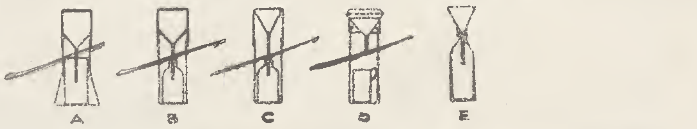
Nature of objects nearest to gauge	SCHOOL	TREES	COTTAGE	
Height of objects	40'	40'	20'	
Distances ..	40 yds	30 yds	30 yds	
Directions from gauge ..	W.S.W	N.W.	E.N.E.	

If gauge has been moved during the year state—

Date of move — Distance — Direction —

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
2? JAN 1936

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4209/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1936

At LLANAFANFAWR

In the County of BRECONSHIRE

Rain Gauge {
Diameter of Funnel 5 in.
Height of Top above Ground — *ft* 7 *in.*
Height of Ground above Sea Level 800 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6·32				
FEB.	2·49				
MAR.	3·10				
APRIL	2·63				
MAY	1·73				
JUNE	4·51				
JULY	7·26				
AUG.	0·75				
SEPT.	4·79				
OCT.	4·07				
NOV.	5·26				
DEC.	7·44				
Total	50·68 ✓ ✓				

Signature W D Swan

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
W. D. SWAN, LLANAFANFAWR,
GARTH, BUILTH WELLS, BRECONSHIRE

Hour of observation by the clock—in Winter 9 in Summer 9

Nearest Railway Station GARTH Distance 4 M Direction from gauge S.W.

Nearest Parish Church at LLANAFAN Distance 220 yds Direction from gauge E.

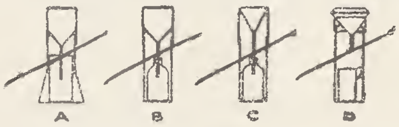
Nature of objects nearest to gauge	SCHOOL	TREES	COTTAGE	
Height of objects	40′	40′	20′	
Distances ..	140 yds	30 yds	20 yds	
Directions from gauge ..	S.W.	N.	N.E.	

If gauge has been moved during the year state—

Date of move — Distance — Direction —

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
2 JAN 1937

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4209/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Llanafanfawr

In the County of Brecknock

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* ~~ft.~~ 8 *in.*
- *Height of Ground above Sea Level* 800 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	7.82				
FEB.	9.17				
MAR.	4.09				
APRIL	3.80				
MAY	1.47				
JUNE	1.69				
JULY	2.91				
AUG.	1.27				
SEPT.	3.12				
OCT.	3.57				
NOV.	1.89				
DEC.	4.86				
TOTAL	45,66				

Signature W. D. Swan

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

W. D. SWAN, SCHOOL HOUSE.
LLANAFANFAWR, BUILTH WELLS

Hour of observation by the clock—in Winter 10 in Summer 9

Nearest Railway Station NEWBRIDGE ON WYE Distance 4 M. Direction from gauge 4 M. E.N.E.

Nearest Parish Church at LLANAFAN Distance 250 Direction from gauge 220 yds E.N.E

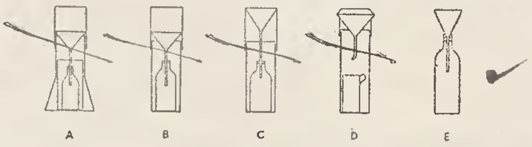
Nature of objects nearest to gauge	SCHOOL	COTTAGE	TREES	
Height of objects	30'	20'	30'	
Distances ...	20 yds	30 yards	30 yds	
Directions from gauge ...	W.S.W.	E.N.E	N.E.	

If gauge has been moved during the year state—

Date of move ~~..........~~ Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
- 4 JAN. 1938

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4209/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At LLANAFANFAWR

In the County of BRECONSHIRE

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* — *ft.* 6 *in.*
- *Height of Ground above Sea Level* 800 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	8·39				
FEB.	2·87				
MAR.	1·00				
APRIL	0·08				
MAY	3·93				
JUNE	5·16				
JULY	4·54				
AUG.	4·04				
SEPT.	2·55				
OCT.	8·73				
NOV.	9·13				
DEC.	5·26				
TOTAL	55·68 ✓				

Signature W D Swan

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

W. D. SWAN
LLANAFANFAWR, GARTH.

Hour of observation by the clock—in Winter 9.0 a.m. in Summer 9.0 a.m.

Nearest Railway Station GARTH Distance 4 MILES Direction from gauge W

Nearest Parish Church at LLANAFAN Distance 200 yds Direction from gauge E

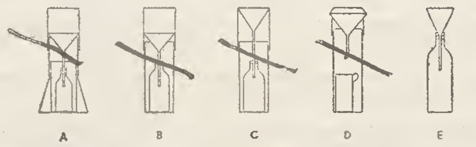
Nature of objects nearest to gauge	SCHOOL	TREES	COTTAGE	
Height of objects	40'	40'	20'	
Distances ...	40 yds	30 yds	20 yds	
Directions from gauge ...	S.W.	N.W.	N.E.	

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4209/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At LLANAFANFAWR

In the County of BRECONSHIRE

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* — *ft.* 5 *in.*
- *Height of Ground above Sea Level* 800 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	8·94			20	13
FEB.	4·72			13	11
MAR.	2·94			15	9
APRIL	3·46			10	8
MAY	0·74			4	4
JUNE	3·71			15	12
JULY	9·01			25	22
AUG.	4·88			12	11
SEPT.	0·85			8	4
OCT.	2·81			16	13
NOV.	11·73	2·29	25	21	20
DEC	3·99			11	11
TOTAL	57·84 ✓			173 ✓	138 ✓

Signature W. D. Swan

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

W. D. SWAN, LLANAFANFAWR
GARTH, BUILTH WELLS, BRECS

Hour of observation by the clock—in Winter 10 in Summer 9

Nearest Railway Station GARTH Distance 4 Direction from gauge W

Nearest Parish Church at LLANAFAN Distance 200 yds Direction from gauge E

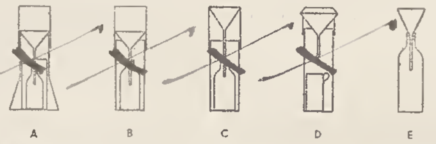
Nature of objects nearest to gauge	SCHOOL	TREES	COTTAGE	
Height of objects	40′	40′	20′	
Distances ...	40 yds	30 yds	20 yds	
Directions from gauge ...	SW	N.W	N.E.	

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
4 JAN. 1940

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17 \\ 18\end{matrix}\right\} \cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: York House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 2778/2036 21,000 10/38 W. H. & S. 668/91 S.O. Code No. 40-9999

FORM 1090.

4209/5

B Monthly Summary.

₊ **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 193 40

At LLANAFANFAWR

In the County of BRECONSHIRE

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground ft. 1 in.
Height of Ground above Sea Level 805 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	~~2.59~~	3.39			
FEB.	~~6.92~~	6.12			
MAR.	4.62				
APRIL	3.77				
MAY	2.18				
JUNE	1.00				
JULY	4.75				
AUG.	0.72				
SEPT.	2.82				
OCT.	6.01				
NOV.	13.53				
DEC.	5.64				
TOTAL	54.55				

Signature W. D. Swan
Llanafanfawr.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
W. D. SWAN, SCHOOL HOUSE
LLANAFANFAWR, BUILTH WELLS

Hour of observation by the clock—in Winter 9 am in Summer 9 am

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

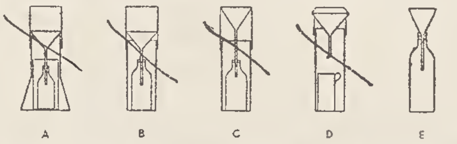
Nature of objects nearest to gauge				
Height of objects	AS	FOR	PREVIOUS	YEARS
Distances ...				
Directions ~~from~~ gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan & Feb apportioned.

M
16 JAN 1941
B. R.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: York House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 2778/2036 21,000 10/38 W. H. & S. 668/91 S.O. Code No. 40-9999

381

4210

FORM 1090. **B** Monthly Summa

No 4210

NEWBRIDGE

1931- 40

78 0803

*** The following register of monthly tot
&c., is NOT required if daily or wee
values are given on the other side.

RAINFALL IN 1931

At Newbridge, Pengraig

In the County of Brecon

Rain Gauge
Diameter of Funnel
Height of Top above Ground ....*ft*
Height of Ground above Sea Level ....*ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7.40				
FEB.	6.40				
MAR.	1.40				
APRIL	4.70				
MAY	6.00				
JUNE	4.50				
JULY	4.40				
AUG.	5.50				
SEPT.	2.70				
OCT.	2.40				
NOV.	12.40				
DEC.	4.10				
Total	61.90				

Signature Miss A. Williams for M.O.

M

*See Instruction 2 (*f*) below.

ion and also the space for

is register should be sent:—

in Summer

nce Direction from gauge

nce Direction from gauge

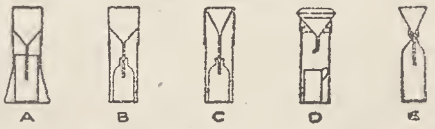
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

381

4210

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Newbridge, Pengraig

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground .... ft .... in.*
- *Height of Ground above Sea Level .... ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7·40				
FEB.	6·40				
MAR.	1·40				
APRIL	4·70				
MAY	6·00				
JUNE	4·50				
JULY	4·40				
AUG.	5·50				
SEPT.	2·70				
OCT.	2·40				
NOV.	12·40				
DEC.	4·10				
Total	61·90				

Signature Miss a. Williams for MO

M

*See Instruction 2 (*f*) below.

Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter........ in Summer........

Nearest Railway Station........ Distance........ Direction from gauge ....

Nearest Parish Church at........ Distance........ Direction from gauge ....

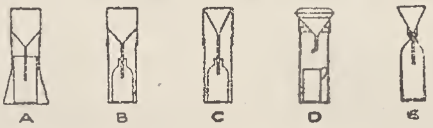
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A and B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

- (*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 9 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
  9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.
- (*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in
- (*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*
- (*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

FORM 1090.

Nº 4210

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Newbridge Pengraig

In the County of Brecon

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft.* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9.80				
FEB.	.05				
MAR.	3.10				
APRIL	4.40				
MAY	5.70				
JUNE	2.00				
JULY	3.90				
AUG.	1.50				
SEPT.	4.70				
OCT.	11.00				
NOV.	5.90				
DEC.	4.40				
Total	56.45				

Signature A. Williams

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

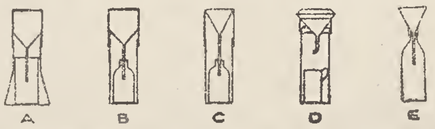
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26134/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933.

At Newbridge, Pengraig

In the County of Brecon

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	5.40				
FEB.	5.00				
MAR.	4.40				
APRIL	1.50				
MAY	1.90				
JUNE	4.40				
JULY	4.10				
AUG.	1.00				
SEPT.	2.00				
OCT.	7.90				
NOV.	1.70				
DEC.	1.80				
Total	41.10 ✓				

Signature A Williams

*See Instruction 2 (*f*) below.

C Particulars of Station. Station No 4210

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

M

D

N° 4210

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Newbridge, Pengraig

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* ...... *ft* ...... *in*.
- *Height of Ground above Sea Level* ...... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	6.70				
FEB.	.50				
MAR.	5.40				
APRIL	4.20				
MAY	2.80				
JUNE	1.70				
JULY	2.00				
AUG.	6.00				
SEPT.	4.90				
OCT.	6.40				
NOV.	(2.30) ~~4.00~~				
DEC.	(14.10) ~~12.40~~				
Total	57.00 ✓				

Signature A. Williams

*See Instruction 2 (*f*) below.

M

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

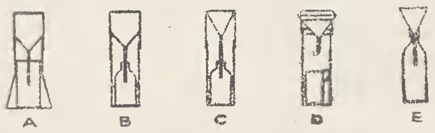
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Nov & Dec allocated in accordance with Encs. 145A & 146A f660552/26.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

No 4210

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Newbridge Pengraig

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in*.
- *Height of Ground above Sea Level* .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·20				
FEB.	8·40				
MAR.	2·30				
APRIL	7·40				
MAY	2·20				
JUNE	6·40				
JULY	1·00				
AUG.	2·30				
SEPT.	5 9·~~4~~0				
OCT.	8·30				
NOV.	9·00				
DEC.	5·50				
Total	5 64·~~4~~0				

Signature Miss A Williams

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Correction suggested by Birmingham W.W. & adopted.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

M

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Newbridge Pengraig

In the County of Brecon

Rain Gauge:
Diameter of Funnel.................in.
Height of Top above Ground.........ft.........in.
Height of Ground above Sea Level.........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	7.30				
FEB.	2.60				
MAR.	3.90				
APRIL	3.40				
MAY	1.50				
JUNE	5.40				
JULY	8.00				
AUG.	(·90) ~~2.40~~				
SEPT.	5·70				
OCT.	5.00				
NOV.	6·80				
DEC.	9·90				
Total	~~61.90~~				

60·40

Signature Miss A. Williams

*See Instruction 2 (*f*) below.

Annual total corrected

No 4210

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................. Distance................. Direction from gauge.................

Nearest Parish Church at................. Distance................. Direction from gauge.................

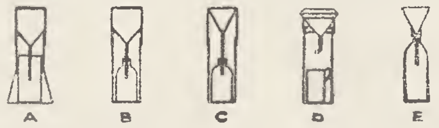
Nature of objects nearest to gauge				
Height of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move................. Distance................. Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Aug. estd. from surr. stns.

Ssm

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4210

Copy by B.R.O.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Newbridge Pengraig

In the County of Brecon

Rain Gauge
Diameter of Funnel........................in.
Height of Top above Ground........ft............in.
Height of Ground above Sea Level................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
		Inches	Date	*	*
JAN.	(9·40) ~~8·60~~				
FEB.	(9·60) ~~11·10~~				
MAR.	(4·70) ~~3·70~~				
APRIL	4·90				
MAY	2·00				
JUNE	2·00				
JULY	2·90				
AUG.	1·10				
SEPT.	6·40				
OCT.	3·60				
NOV.	2·10				
DEC.	5·10 ✓				
TOTAL	53·50 ✓				

Signature ....

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer..................

Nearest Railway Station.................................. Distance................Direction from gauge............

Nearest Parish Church at.................................. Distance................Direction from gauge...........

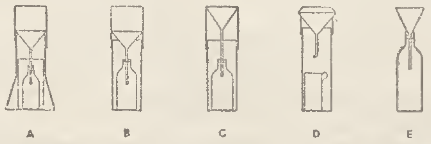
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan - Mar. estd. by near by Stations.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following* 9 *a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON : PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4210

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Newbridge, Pengraig

In the County of Brecon

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* 960 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	10·20				
FEB.	4·90				
MAR.	1·10				
APRIL	·60				
MAY	4·50				
JUNE	5·40				
JULY	5·40				
AUG.	3·90				
SEPT.	2·70				
OCT.	9·10				
NOV.	10·40				
DEC.	5·60				
TOTAL	63·80 ✓				

Signature Annie Williams.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

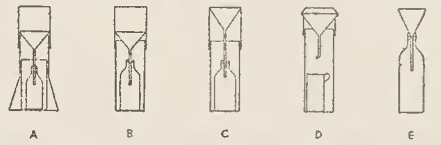
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 ; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON : PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses : Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4210

FORM [illegible]0.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Newbridge, Pengraig

In the County of Brecon

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* .... *in.*
- *Height of Ground above Sea Level* 960 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	~~6·40~~ 9·40				
FEB.	6·50				
MAR.	4·30				
APRIL	4·40				
MAY	1·20				
JUNE	~~1~~4·50				
JULY	10·40				
AUG.	4·00				
SEPT.	·60				
OCT.	2·70				
NOV.	~~1·40~~ 11·40				
DEC.	·50				
TOTAL	~~54·40~~ 64·40 ✓				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

Copy by B.R.O.

Hour of observation by the clock—in Winter.................. in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

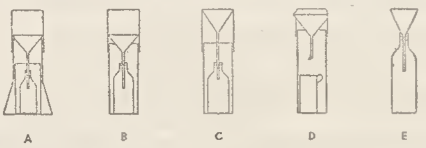
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan adj by surrounding stns.
June " " " "
Nov. " " " "

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4210

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Newbridge, (Pengraig)
in the County of Brecon
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
" Ground " Sea Level 960 ft.

Nov corrd by ref to nearby stations

Snow circ. sent 30.4.41

Jan estd from nearby stns

BRITISH RAINFALL ORGANIZATION.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15														15
16														16
17														17
18														18
19														19
20														20
21														21
22														22
23														23
24														24
25														25
26														26
27														27
28														28
29														29
30		✕												30
31		✕		✕		✕			✕		✕			31
TOTAL	~~.35~~ 3.50	5.50	5.10	3.90	2.00	~~7.00~~ 1.00	5.90	~~5.00~~ 1.00	3.20	7.10	~~1.55~~ 13.50	5.90	Year's Total ~~52.30~~	57.60 ~~53.45~~
* Days with .01 in. or more.														
* Days with .04 in. or more.														

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) Annie Williams [P.T.O.

Sectio

4211

705 4/06/26.

FOR OFFICIAL USE.

4211

NEWBRIDGE LLYSDINAN

1931 — 40.

780803

...CE.—BRITISH RAINFALL ORGANIZATION.

FORM

...TALL IN 193/.

Ke

in

Di

He

TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the ... made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
31	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·06	·02	—	·18	—	·05	—	—	·63	·14	—	—	1
2	·09	·03	—	·51	·41	—	—	·12	·56	·06	·64	·36	2
3	·16	—	—	—	·01	—	·08	—	·15	—	2·35	·27	3
4	—	—	·03	·23	·11	—	·10	·41	·13	·06	·25	·28	4
5	—	·09	—	·09	·08	·98	·01	·09	—	—	—	·49	5
6	—	·15	—	·16	·09	·03	·08	—	—	·54	·20	·03	6
7	—	·01	—	—	·01	·08	·36	·35	—	·16	·08	·15	7
8	—	·17	—	·14	—	·18	—	·34	—	·02	·38	·11	8
9	·03	·56	—	·03	—	·18	·01	—	—	·17	·46	·02	9
10	—	·06	·02	—	·12	·17	—	—	—	—	·74	—	10
11	·15	·54	·02	—	·03	·09	·20	—	·09	·01	·23	—	11
12	·02	·16	—	—	—	·02	·24	—	·02	·15	·13	—	12
13	—	·06	·08	—	·17	·01	·33	·08	—	—	—	—	13
14	·03	·19	·01	—	·15	·83	·32	·48	·03	—	·26	—	14
15	—	·28	—	·08	·14	·02	·07	·50	·17	—	—	·08	15
16	·38	·25	—	·37	·59	·53	—	·45	·07	—	—	—	16
17	·08	·14	—	·18	·49	·15	·28	—	—	—	·08	—	17
18	·15	·01	·02	·07	·11	·35	·09	·36	—	—	·41	—	18
19	·03	·12	—	·03	—	·25	·03	·93	—	—	·03	—	19
20	—	·14	·16	—	—	—	—	·19	—	—	·09	·05	20
21	·87	·01	—	·03	·32	—	—	·01	—	—	·10	—	21
22	·59	·07	·46	·06	·15	—	·14	·06	—	—	—	—	22
23	·41	·02		·38	·30	·02	·35	—	—	—	·27	·08	23
24	·15	·04	—	·29	·08	—	·36	—	—	—	·16	·09	24
25	·40	·24	—	·34	·08	—	·20	—	—	—	·05	—	25
26	·09	·07	—	·15	—	—	·14	—	—	—	·63	—	26
27	·16	·74	·10	·03	1·94	—	·09	—	—	·11	·21	·08	27
28	·38	·29	·18	·05	·32	—	·04	—	—	·02	—	·55	28
29	·14	×	·09	—	·03	—	·31	—	·01	·18	·12	·02	29
30	·02	×	·01	·02	—	—	·01	—	·11	—	—	·02	30
31	·51	×	—	×	·07	×	—	—	×	—	×	·16	31 46·15 YEAR'S TOTAL
99 TOTAL	4·90	4·46	1·18	3·42	5·80	3·94	3·84	4·37	1·97	1·62	7·87	2·78	~~46·25~~
Days with ·01 in. or more.	22	26	12	21	23	17	23	14	11	12	22	17	220
Days with ·04 in. or more.	17	21	6	16	19	12	19	13	8	9	21	12	173

40-9999

(Signed) Arnold Llewelyn

[P.T.O.

Secti [redacted] 6|-26. 4211

FOR OFFICIAL USE.

CE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 3 in.

,, Ground ,, Sea Level 646 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
31	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·06	·02	—	·18	—	·05	—	—	·63	·14	—	—	1
2	·09	·03	—	·51	·41	—	—	·12	·56	·06	·64	·36	2
3	·16	—	—	—	·01	—	·08	—	·15	—	2·35	·27	3
4	—	—	·03	·23	·11	—	·10	·41	·13	·06	·25	·28	4
5	—	·09	—	·09	·08	·98	·01	·09	—	—	—	·49	5
6	—	·15	—	·16	·09	·03	·08	—	—	·54	·20	·03	6
7	—	·01	—	—	·01	·08	·36	·35	—	·16	·08	·15	7
8	—	·17	—	·14	—	·18	—	·34	—	·02	·38	·11	8
9	·03	·56	—	·03	—	·18	·01	—	—	·17	·46	·02	9
10	—	·06	·02	—	·12	·17	—	—	—	—	·74	—	10
11	·15	·54	·02	—	·03	·09	·20	—	·09	·01	·23	—	11
12	·02	·16	—	—	—	·02	·24	—	·02	·15	·13	—	12
13	—	·06	·08	—	·17	·01	·33	·08	—	—	—	—	13
14	·03	·19	·01	—	·15	·83	·32	·48	·03	—	·26	—	14
15	—	·28	—	·08	·14	·02	·07	·50	·17	—	—	·08	15
16	·38	·25	—	·37	·59	·53	—	·45	·07	—	—	—	16
17	·08	·14	—	·18	·49	·15	·28	—	—	—	·08	—	17
18	·15	·01	·02	·07	·11	·35	·09	·36	—	—	·41	—	18
19	·03	·12	—	·03	—	·25	·03	·93	—	—	·03	—	19
20	—	·14	·16	—	—	—	—	·19	—	—	·09	·05	20
21	·87	·01	—	·03	·32	—	—	·01	—	—	·10	—	21
22	·59	·07	·46	·06	·15	—	·14	·06	—	—	—	—	22
23	·41	·02	—	·38	·30	·02	·35	—	—	—	·27	·08	23
24	·15	·04	—	·29	·08	—	·36	—	—	—	·16	·09	24
25	·40	·24	—	·34	·08	—	·20	—	—	—	·05	—	25
26	·09	·07	—	·15	—	—	·14	—	—	—	·63	—	26
27	·16	·74	·10	·03	1·94	—	·09	—	—	·11	·21	·02	27
28	·38	·29	·18	·05	·32	—	·04	—	—	·02	—	·55	28
29	·14	×	·09	—	·03	—	·31	—	·01	·18	·12	·02	29
30	·02	×	·01	·02	—	—	·01	—	·11	—	—	·02	30
31	·51	×	—	×	·07	×	—	—	×	—	×	·16	31
TOTAL 99	4·90 ~~5·28~~	4·46	1·18	3·42	5·80	3·94	3·84	4·37	1·97	1·62	7·87	2·78	46·15 YEAR'S TOTAL ~~[illegible]~~
Days with ·01 in. or more.	22	26	12	21	23	17	23	14	11	12	22	17	220
Days with ·04 in. or more.	17	21	6	16	19	12	19	13	8	9	21	12	173

40-9999

(Signed) [illegible] Llewellyn [P.T.O.

4211

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 646 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
32	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·35	·01	—	·43	1·48	·03	·20	·12	·26	·01	·20	·24	1
2	·13	—	—	·01	·22	—	—	·04	·23	·04	·13	·37	2
3	·06	·01	—	·15	—	—	·33	—	—	·08	·07	·15	3
4	·09	—	—	·48	—	—	·10	—	—	—	·45	·02	4
5	1·22	—	·15	·03	—	—	—	—	·19	·01	—	—	5
6	·73	—	·27	·68	·02	—	·23	—	·28	·07	—	—	6
7	·18	—	·30	·16	·05	—	·03	—	·49	1·15	—	—	7
8	·10	—	·16	·17	·20	—	—	—	·01	·06	—	—	8
9	·58	·03	—	·15	·19	—	—	—	·02	—	—	—	9
10	·59	—	—	·40	·07	—	—	—	·36	·40	—	—	10
11	·23	—	—	·11	·18	·03	·10	—	·02	·03	—	—	11
12	·68	—	—	—	·32	—	—	—	·27	·40	—	·04	12
13	·14	·03	—	·12	·08	—	·57	·16	·04	·08	·04	·38	13
14	·33	—	—	·13	—	—	·01	·03	—	·11	·16	·07	14
15	·08	—	—	—	·25	—	—	—	—	·03	·02	·03	15
16	·53	—	—	·23	—	—	·15	—	—	·01	—	·04	16
17	·02	—	—	—	·06	—	·09	—	—	·20	—	·03	17
18	·02	—	—	—	·07	—	—	—	—	·01	·30	—	18
19	—	—	—	·07	·36	—	—	—	—	·30	·01	·02	19
20	—	—	—	·09	·59	—	—	·26	—	·78	·10	·07	20
21	·01	—	·12	·15	—	—	—	·28	—	1·08	·27	·08	21
22	·02	—	·03	·08	·05	—	·04	—	·55	·46	·64	·14	22
23	—	·03	—	·02	·12	—	·06	—	·08	·38	·29	·15	23
24	·08	—	—	—	—	—	·11	—	·28	·04	·05	—	24
25	—	·01	—	·02	—	—	·06	—	·12	·67	·15	—	25
26	—	—	·19	·23	·07	—	·08	—	·19	·28	·13	·01	26
27	—	—	·63	·12	·21	—	·13	—	—	·18	·25	·06	27
28	—	—	·34	·01	·18	·08	·33	·02	—	—	·02	·03	28
29	—	—	·57	·19	·65	·29	·06	·43	·17	1·09	·33	·28	29
30	—	×	·25	·33	—	·48	·15	·06	·02	·25	·46	·03	30
31	—	×	·03	×	—	×	·19	·02	×	·04	×	·27	31
TOTAL 99	6·19	·12	2·89	4·36	5·42	·91	3·02	1·42	3·58	8·04	4·07	2·51	YEAR'S TOTAL 42·53
*Days with ·01 in. or more.	21	6	12	25	21	5	20	10	18	28	20	21	207
*Days with ·04 in. or more.	17	—	11	20	20	3	18	7	14	23	17	14	164

40-9999

(Signed) C Venables Llewelyn

P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4211

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 666 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
33	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·25	·68	·10	–	–	–	–	–	·02	·24	·07	·51	1
2	·55		·30		·08	·28	–	–	–	–	·03	–	2
3	·09	·35	·23	–	·06	–	–	–	–	–	–	–	3
4	·30	·16	·07	–	·08	–	–	–	–	–	–	–	4
5	·20	·09	·25	–	·03	–	–	–	–	–	–	–	5
6	·01	·28	·10		·13	–	–	–	–	·29	–	–	6
7	·35	·27	·03	–	–	·13	·12	–	–	1·41	–	–	7
8	·18	·07	·07	–	·20	–	·57	–	–	–	–	–	8
9	–	·10	–	–	·08	·06	1·00	·01	–	·92	·13	–	9
10	·18	·02	–		–	·11	·43	·03	–	1·90	·07	–	10
11	–	–	–	–	–	·39	·24	·03	–	·17	–	·03	11
12	·03	–	–	–	–	–	·25	–	–	·02	–	·03	12
13	–	–	–	–	·08	·02	·26	·21	–	·45	·28	–	13
14	·15	–	–	–	–	–	·08	·11	–	–	·10	–	14
15	·23	–	·12	–	–	–	·10	·05	–	·08	·01	·01	15
16	·05	–	·40	–	–	·14	·04	·02	–	·48	–	–	16
17	–	·26	·34	–	–	·48	·08	·02	·02	–	·01	–	17
18	·24	–	·16	–	–	·62	–	·01	–	–	·05	–	18
19	–	–	·63	–	–	·01	·01	·07	·25	–	·63	–	19
20	–	·03	·06	–	·11	·80	–	·10	·25	–	·01	–	20
21	–	·02	–	–	·10	·21	–	·08	·01	·09	–	–	21
22	–	–	–	·02	·85	·05	–	·17	·24	·04	–	–	22
23	–	·18	–	·11	–	·22	–	–	·11	·21	–	–	23
24	–	·40	–	·15	·05	·85	–	–	–	·15	–	–	24
25	–	·27	–	·21	–	·17	–	–	·08	–	–	·16	25
26	–	·53	–	·11	·20	–	–	–	·06	·33	–	·02	26
27	–	·08	–	–	–	–	–	–	·01	·01	–	·08	27
28	–	·08	–	·34	–	–	·03	·07	–	·04	–	·02	28
29	–	×	·07	·02	·02	–	–	–	–	–	–	·06	29
30	·06	×	·14	–	–	–	·15	–	·10	·10	–	·30	30
31	·58	×	·25	×	–	×	–	–	×	·27	×	–	31
99 TOTAL	3·45	3·87	3·12	·96	1·54	4·54	3·30	·98	1·14	7·20	1·19	1·22	YEAR'S TOTAL 32·51
*Days with ·01 in. or more.	16	18	17	7	14	16	14	14	11	19	11	10	167
*Days with .04 in. or more.	14	15	16	5	12	14	12	8	7	17	7	5	132

40-9999

*See Instruction 2 (*f*) on other side,

(*Signed*) Charles Llewelyn

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4211

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 646 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
34	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·21	—	·02	—	—	—	—	·37	·05	·30	'35	'37		1
2	·02	—	10	—	—	—	—	20	15	04	18	50		2
3	·06	—	03	—	24	—	—	25	05	45	03	24		3
4	15	—	36	·12	15	—	—	04	18	54	08	50		4
5	01	—	12	02	25	—	—	65	—	04	05	25		5
6	20	—	04	—	68	·02	—	35	—	34	—	50		6
7	19	—	02	—	07	—	—	03	—	09	02	48		7
8	—	—	—	—	08	—	—	—	05	05	39	58		8
9	—	—	21	—	—	—	—	30	—	—	48	43		9
10	16	—	15	14	—	—	—	24	—	—	07	06		10
11	93	—	09	40	—	—	14	25	—	—	02	10		11
12	02	—	01	03	—	—	18	09	—	—	—	25		12
13	60	—	—	28	—	—	—	—	—	07	—	01		13
14	06	—	73	04	—	10	—	—	—	31	08	28		14
15	18	—	93	—	26	—	05	—	—	44	10	49		15
16	59	—	28	—	03	—	—	—	—	01	06	03		16
17	41	—	25	42	17	—	42	—	12	—	—	43		17
18	44	—	03	14	02	08	—	03	11	—	—	52		18
19	—	—	10	—	05	12	—	06	13	—	—	66		19
20	01	—	—	09	06	02	—	—	03	04	01	07		20
21	—	—	03	01	02	13	12	14	02	22	—	03		21
22	06	—	08	—	06	—	—	24	49	13	—	34		22
23	—	—	07	40	—	41	—	07	01	03	—	—		23
24	—	29	07	04	—	08	—	—	17	—	—	—		24
25	17	11	—	34	06	—	—	—	25	32	—	60		25
26	09	—	—	29	—	23	01	—	40	—	—	19		26
27	—	—	—	02	—	19	—	—	04	07	—	21		27
28	—	—	—	21	—	01	10	22	15	14	08	63		28
29	—	×	—	—	—	—	39	02	16	16	02	18		29
30	—	×	—	—	—	—	03	09	19	14	—	65		30
31	—	×	—	×	—	×	03	14	×	08	×	25		31
TOTAL 99	4·53	'40	3·72	2·99	2·14	1·39	1·47	3·78	2·75	4·01	2·02	9·83	Year's Total. 39·03	
* Days with .01 in. or more	20	2	21	17	15	11	10	20	19	22	16	29	204	
* Days with .04 in. or more.	16	2	15	13	11	8	7	17	16	20	11	26	160	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) [illegible] [P.T.O.

4211

Section **A** for the entry of Daily Observations. **FOR OFFICIAL USE.**

Form 1090.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

REGISTER OF RAINFALL IN 19~~2~~35.

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

" Ground " Sea Level 646 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Please read the Notes and Instructions Overleaf.

Date.	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*~~Date.~~*
35	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	–	–	·09	–	–	–	·06	–	·48	·16	·04	·60	1
2	–	·04	·02	–	–	–	–	–	·43	·13	·05	·50	2
3	–	·12	·17	·10	–	·04	–	–	·03	·16	·22	·20	3
4	·08	–	·08	·14	–	·04	–	–	·02	·10	·02	·21	4
5	·01	·62	·10	·19	–	·15	·01	–	·03	–	·10	·05	5
6	·03	–	–	·30	–	·56	–	–	–	·15	·26	·18	6
7	–	–	–	·46	–	·40	–	–	–	·22	·01	·17	7
8	–	–	–	·38	–	·08	–	–	–	·25	·12	·26	8
9	·10	·02	–	·88	–	·27	–	–	–	1·00	·10	–	9
10	·04	–	–	·66	–	·01	·01	·01	–	·20	·26	–	10
11	·59	·13	–	–	–	·30	–	·01	–	·14	·19	–	11
12	·06	·16	–	–	–	·39	–	·09	·02	·01	·37	–	12
13	·07	·07	–	·13	·06	·02	–	–	·15	·07	·63	–	13
14	–	·02	–	·05	·	·15	–	–	·34	·01	1·12	·28	14
15	–	1·00	–	·61	·06	·01	–	·05	·15	·10	·28	·25	15
16	–	·32	·02	·52	–	–	·09	–	·96	·21	·46	·52	16
17	–	–	–	·24	·54	·13	·04	·07	·14	–	·17	–	17
18	–	·05	–	·50	·04	·07	–	·19	·88	·25	·02	–	18
19	–	·12	–	·08	·40	·36	·18	–	·11	·31	·09	–	19
20	–	·91	–	·18	·37	·08	·05	–	·02	–	·55	–	20
21	–	·97	·03	·16	–	–	–	–	·26	·13	·11	–	21
22	–	·08	·13	·07	–	–	–	–	·20	·02	–	–	22
23	·02	·15	·77	·21	–	–	–	–	·10	·32	–	·04	23
24	·06	·61	·02	·11	–	·08	–	–	1·28	·24	–	·12	24
25	·83	·06	–	·09	–	1·65	–	–	–	–	·03	·04	25
26	·02	·12	–	–	–	·02	–	·73	·34	·03	·08	·38	26
27	–	·17	–	–	·08	–	·01	·02	·84	·27	·27	·04	27
28	·04	·12	–	–	·02	–	–	·03	·19	·13	·11	·03	28
29	–	✕	–	–	–	–	–	–	·17	·16	·28	·21	29
30	·01	✕	–	·11	–	·12	–	·16	·10	·69	1·13	·16	30
31	–	✕	–	✕	·17	✕	–	–	✕	·38	✕	·15	31
94 TOTAL	1·96	5·86	1·43	5·97	1·74	4·73	·45	1·36	7·24	5·84	7·07	4·39	YEAR'S TOTAL 48·04
Days with ·01 in. or more.	14	21	10	22	9	21	8	10	23	27	27	20	212
Days with ·04 in. or more.	9	19	6	22	8	17	5	6	18	23	23	19	175

40-12-1-27
144w)

M

(Signed) C Venables Llewelyn [P.T.O.

File no
705466/26

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4211

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 3 in.

,, Ground ,, Sea Level 666 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
36	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·18	·21	·01	·25	—	·21	·10	·02	·01	—	·08	·32		1
2	·09	·02	—	·13	—	·37	·07	·02	·28	—	·02	·05		2
3	·07	—	·04	—	—	·03	—	·07	·45	—	·02	·05		3
4	·05	·04	·15	—	—	·12	—	·08	·71	—	·89	·37		4
5	·26	·06	·25	—	·05	—	·09	·09	·08	—	·10	·47		5
6	·67	—	·03	—	—	·02	·26	·09	·07	—	·58	·04		6
7	·06	—	·04	—	—	—	·20	—	·69	—	·43	·01		7
8	·25	—	·28	—	—	—	·24	—	·06	—	·80	·01		8
9	·98	—	·02	—	—	—	·68	—	·38	—	·26	·01		9
10	·14	—	—	—	—	·02	·09	—	—	—	·18	·02		10
11	—	·10	—	·05	—	·12	·02	·01	·15	—	·73	·12		11
12	—	—	—	·02	·19	·09	1·03	·03	·33	—	·07	·18		12
13	—	—	—	·02	—	·01	·04	—	·06	·06	·16	1·48		13
14	—	·01	—	·11	—	·08	·04	—	·14	—	·10	·50		14
15	·02	—	—	·03	·73	—	·01	—	—	—	·23	·10		15
16	·10	·03	—	·09	·24	·02	·05	—	—	—	·39	·06		16
17	·28	·42	—	·06	·12	—	·30	—	—	·23	·05	·85		17
18	—	·20	—	—	—	—	·53	·05	—	·32	—	·11		18
19	·33	·10	·05	·24	—	·33	·30	·03	—	·12	—	—		19
20	·11	·11	·07	·03	—	·72	—	—	·01	—	—	·07		20
21	·07	—	·02	·54	—	·42	·01	—	—	·01	—	·03		21
22	·12	·10	·56	—	·11	·14	·37	—	—	—	—	·03		22
23	·07	·16	·27	·08	·03	—	·41	—	—	·07	—	—		23
24	·08	·03	—	·04	·06	—	·05	—	·28	·62	—	—		24
25	·18	·01	·16	1·00	—	—	·84	—	·22	·37	—	—		25
26	·12	·08	·23		—	·37	·12	—	—	·34	·03	—		26
27	·16	·09	·06	—	—	—	·04	—	·09	·50	—	—		27
28	·36	·06	·23	·01	—	·42	·28	—	—	·03	·02	17		28
29	·08	·05	·28	—	·02	·75	·29	—	—	·04	—	·16		29
30	·12	×	·05	—	·15	·14	·06	—	—	·87	·04	·05		30
31	·54	×	·27	×	·65	×	·08	—	×	—	×	·85		31
TOTAL 99	5·49	1·88	3·04	2·70	2·35	4·38	6·30	·49	3·81	3·58	5·18	6·11	Year's Total. 45·31	✓ ✓
* Days with .01 in. or more.	26	19	20	16	11	19	28	10	17	13	20	25	224	✓ 5
* Days with .04 in. or more.	25	14	16	11	9	14	25	5	15	11	16	19	180	✓ 10

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) C. Venables Llewelyn [P.T.O.

File no 705766/26 **COPY FOR OFFICIAL USE**

Section **A** **for the entry of Daily Observations**

Station No. 4211

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 666 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
37	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·19	·20	·01	·01	–	–	·03	–	·50	·17	·02	·23		1
2	·28	·66	–	·06	–	–	–	–	·06	–	–	·74		2
3	·05	·47	·01	–	·16	·15	·02	–	–	–	·01	·01		3
4	·29	·10	·02	·12	·16	·08	–	·24	–	–	–	1·17		4
5	1·07	–	·06	·04	–	–	·10	–	–	–	–	·09		5
6	·58	–	·04	·24	·05	·02	–	–	·02	–	·01	–		6
7	–	·72	·10	·29	–	·11	–	–	·06	–	·02	–		7
8	–	·25	–	·03	·07	·35	·12	–	·01	·04	·26	–		8
9	·02	·02	–	·04	·10	·02	·14	–	·45	–	–	–		9
10	·06	·10	·07	·03	–	·05	–	–	–	–	–	·45		10
11	·03	·03	·36	·06	·18	·45	·24	–	–	–	–	·14		11
12	·54	·33	·07	·01	–	·10	·01	·10	·14	–	·02	·13		12
13	·28	·02	·02	·37	–	–	–	·03	·30	–	–	·13		13
14	–	·01	·03	·03	–	–	–	–	·09	–	·02	·12		14
15	·27	·29	–	·47	–	–	1·10	–	·12	–	–	·29		15
16	·07	·37	·42	·29	–	–	–	·25	·19	–	–	–		16
17	·38	·11	·50	·02	–	–	–	–	·31	–	·02	–		17
18	·41	·15	·38	–	–	·07	·03	–	·29	–	·17	·15		18
19	·04	·10	·12	·18	·02	·11	·23	–	·03	·01	·15	–		19
20	·47	·35	·12	·74	–	·06	·03	–	·01	–	–	·18		20
21	·33	·25	·06	·15	·03	–	·24	–	·02	·14	–	·06		21
22	·16	·10	·03	–	·15	–	·55	–	–	·27	·23	·13		22
23	·08	·14	–	–	·27	–	·10	–	–	·25	·35	·03		23
24	·52	·47	·22	–	–	–	–	–	·06	·40	–	·12		24
25	–	·64	–	–	–	–	–	–	·06	·31	–	·04		25
26	–	·47	·08	–	·19	–	–	–	–	·07	·01	–		26
27	–	·77	–	·02	–	–	–	–	–	·38	–	–		27
28	–	·27	–	–	–	·03	–	–	–	·06	–	–		28
29	–	×	–	–	–	·03	–	–	–	·93	·10	–		29
30	·18		–	–	–	·01	–	·43	·06	·02	·41	–		30
31	·41		–		–		–	·03		·36		–		31
99 TOTAL	6·71	7·39	2·72	3·20	1·38	1·64	2·94	1·08	2·76	3·41	1·80	4·21	Year's Total 39·94	✓
* Days with .01 in. or more.	23	26	20	20	11	15	14	6	19	14	15	18	201	✓
* Days with .04 in. or more.	21	22	14	13	9	10	9	5	14	12	7	17	153	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) C. Venables Llewelyn

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4211

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 646 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
38	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·19	-	-	-	·80	-	·10	·01	·39	·03	·40		1
2	-	·12	-	·14	·08	·09	·22	-	-	·20	·04	·08		2
3	-	-	-	-	·09	·06	·34	-	-	1·05	·03	-		3
4	·01	·02	-	-	-	·03	·74	·35	-	·48	·08	·28		4
5	·01	·01	-	-	-	-	·05	·07	·10	·30	-	·10		5
6	·31	-	-	-	-	·49	·87	-	·11	·67	·02	·35		6
7	·28	·01	-	-	-	-	·20	·16	·21	·26	-	·01		7
8	·33	·14	-	-	-	-	·07	·13	-	·75	-	·21		8
9	·65	-	·01	-	-	·25	·05	·10	-	·01	-	·88		9
10	·17	·02	-	-	-	·04	·55	·79	-	·21	-	·32		10
11	·86	-	-	-	-	·02	·02	·15	-	·07	·29	·24		11
12	·58	-	-	-	·21	-	-	-	-	·52	·83	·19		12
13	·03	-	-	-	·10	-	-	-	-	·04	·29	·21		13
14	1·07	-	-	-	·06	-	·09	-	-	-	·02	·01		14
15	·35	-	·03	-	·77	-	·06	·05	-	·01	·04	·27		15
16	·43	-	·04	-	·03	-	-	·01	-	·08	·07	-		16
17	-	-	-	-	-	-	-	-	·22	·18	·01	-		17
18	·20	·03	-	-	-	·03	-	·39	·32	·09	·59	-		18
19	·03	-	-	-	-	-	-	·05	-	-	·60	-		19
20	·13	-	-	-	-	-	-	·01	-	-	·38	-		20
21	-	-	-	-	-	-	-	·22	·14	-	·22	·01		21
22	·03	-	-	·02	-	·96	-	·07	-	-	·63	·02		22
23	·02	-	-	·05	·07	·91	·01	-	·02	-	·19	-		23
24	·17	·21	·21	-	·04	·04	-	·28	·06	·02	·07	-		24
25	·15	·15	·01	-	·04	-	·18	·20	-	·40	1·20	·02		25
26	·42	1·24	·07	-	·18	·54	·05	-	-	·52	·04	·04		26
27	·29	·27	-	-	·64	·17	·27	·38	·16	·07	·53	-		27
28	·27	·28	-	-	-	·68	·07	·09	·13	-	·29	-		28
29	·55	X	-	-	·65	·02	·12	-	·06	·07	·22	·18		29
30	·25	✕	-	-	·07	·40	·06	-	·30	-	·45	·32		30
31	·30	✕	-	✕	·30	✕	·01	·02	✕	·37	✕	·50		31
99 TOTAL	7·89	2·69	·37	·21	3·33	3·73	4·03	3·62	1·84	6·76	7·16	4·64	Year's Total 46·27	✓
* Days with .01 in. or more.	26	13	6	3	15	17	20	20	13	23	25	21	202	✓
* Days with .04 in. or more.	20	8	3	2	14	11	17	17	11	20	20	16	159	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) C Venables Llewelyn

P.T.O.

File 705266/26

COPY FOR OFFICIAL USE

Station No. 4211

Section **A** for the entry of Daily Observations

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at LLYSDINAM

in the County of BRECON

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 646 ft.

Totals ✓

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
39	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·01	–	·34	·59	·08	–	–	·13	·02	–	·02	·24		1
2	–	–	–	·02	–	–	–	·41	·16	–	·07	·19		2
3	·27	–	·14	·38	–	–	–	·09	·11	–	·01	·71		3
4	·01	–	·31	·33	·16	–	·26	–	·02	·20	·10	·55		4
5	–	–	·01	·44	·02	–	·40	–	–	·15	·42	–		5
6	·83	·06	·12	·01	–	–	·60	·04	–	–	·32	–		6
7	·10	·18	·08	–	–	–	·45	·14	–	–	·33	·50		7
8	·18	·32	·48	–	·10	–	·43	·07	–	·40	1·16	·09		8
9	·06	·43	–	–	–	–	–	·66	·03	·27	·10	·46		9
10	·51	·01	·02	–	–	–	–	–	·19	·46	–	·24		10
11	·03	·09	·09	–	–	·01	–	–	–	·03	–	–		11
12	·19	·20	–	·02	–	–	–	–	·19	·03	·01	–		12
13	–	–	–	·33	·08	·15	·64	–	·03	·04	·03	–		13
14	1·16	·02	·03	·15	·11	·96	·09	–	·04	·03	·40	–		14
15	·45	·03	·02	·09	·03	–	·26	–	–	·01	·30	–		15
16	·33	·01	–	·02	·12	–	·40	–	–	–	·50	–		16
17	·54	·29	–	–	·01	·35	·05	–	–	·04	·05	–		17
18	·25	·15	·01	–	–	·10	·44	–	–	·41	·94	–		18
19	·26	·02	–	–	–	–	·54	·26	–	–	·01	–		19
20	·30	–	–	–	–	–	·17	·37	–	–	–	–		20
21	·10	·12	·35	·16	·08	·04	·10	·16	–	–	–	–		21
22	·72	·85	·27	·08	–	·22	·12	–	·01	·01	·97	–		22
23	·19	·28	·01	·17	–	·03	·31	–	–	·13	·55	–		23
24	·19	·05	·04	–	–	·01	·02	–	–	·18	–	–		24
25	·28	·14	–	·01	–	·09	·07	–	–	·14	1·83	–		25
26	·02	·10	–	·05	–	–	–	·35	–	·05	·65	–		26
27	–	·28	·03	–	–	·26	·19	·27	–	–	·35	·02		27
28	·03	·54	·03	·02	–	·46	·68	·07	–	–	·42	–		28
29	–	✕	–	·14	–	·17	1·68	–	–	·08	·27	–		29
30	–	✕	–	·07	–	·20	·11	·03	–	·05	·10	·15		30
31	–	✕	–	✕	–	✕	·01	·13	✕	·08	✕	–		31
99 TOTAL	7·01	4·17	2·38	3·10	·79	3·05	8·02	3·18	·79	2·39	9·71	3·15	Year's Total 47·74	✓
* Days with .01 in. or more.	24	21	18	19	10	14	23	15	10	20	25	10	209	✓
* Days with .04 in. or more.	19	16	10	13	7	11	21	14	5	14	20	9	159	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) C. Walter Llewelyn

P.T.O.

Section **A** for the entry of Daily Observations

Station No.........................

METEOROLOGICAL OFFICE—AIR MINISTRY

FORM 1090

REGISTER OF RAINFALL IN 19~~5~~40

Kept at Llysdinam.

in the County of..........................

Diameter of funnel of gauge..............in.

Height of top of gauge above ground..........ft..........in.

Height of ground above sea level..........ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
40	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	-	-	·22	-	-	-	-	-	-	·44	·01		1
2	-	·33	-	·08	-	-	-	-	-	-	2·21	·16		2
3	-	·20	-	·02	-	-	-	-	-	·06	1·04	·10		3
4	-	-	-	-	·47	-	·10	-	-	·22	·16	·12		4
5	·38	·82	-	-	-	-	·04	-	-	·61	·41	·30		5
6	·07	·13	-	·02	·02	-	·02	-	-	·65	·06	·45		6
7	-	-	-	-	·04	-	·03	-	·07	·80	-	·38		7
8	-	-	-	-	-	-	1·08	-	·01	·36	·04	·50		8
9	-	-	·04	-	-	-	·11	·12	·04	·30	·98	·62		9
10	-	-	·02	-	-	-	1·15	·08	·01	·11	·15	·23		10
11	-	-	·39	-	-	·07	·22	-	-	·01	1·37	·01		11
12	-	-	·15	·06	-	-	·06	-	·37	-	·51	·05		12
13	-	·05	-	·21	-	-	-	·05	·09	-	·07	·51		13
14	-	-	·03	·11	·91	·01	·05	·01	·05	·27	·10	·07		14
15	-	·34	·25	·03		-	·14	-	·13	·10	·25	·02		15
16	-	-	·43		-	-	·12	-	·65	·26	·58	-		16
17	·17	·49	·81	·39	-	-	·02	-	·06	·02	·12	·27		17
18	-	·10	·33	·12	-	-	·48	·02	·15	·03	·02	·01		18
19	-	-	·01	·10	-	-	·15	-	·02	-	·25	-		19
20	-	-	·01		·14	·27	·04	·08	-	·15	·09	-		20
21	-	·02	·12	·10	-	·64	-	·01	-	-	2·14	-		21
22	-	·06	·21	·14	·24	·05	·02	-	·12	·01	·02	-		22
23	·02	-	·02		·06	-	·06	-	·06	-	·06	-		23
24	·04	-	-	·12	·22	-	-	-	-	-	·01	-		24
25	1·45	·42	-	·04	·36	-	·20	-	·01	-	-	-		25
26	·85	·33	-	·15	·06	-	·32	·02	-	-	·03	·01		26
27	·53	·32	-	·12	·04	-	-	-	-	-	·14	·02		27
28	-	-	·16	·16	-	-	·03	-	-	-	·01	·53		28
29	·03	-	·03	·47	-	-	-	-	-	-	-	·04		29
30	·08	X	·35	·07	·04	-	-	-	-	·26	-	·03		30
31	-	X	·12	X	-	X	-	-	X	1·20	X	·02		31
Total	3·62	3·61	3·48	2·73	2·30	1·04	4·44	·39	1·84	5·42	11·26	4·46	Year's total 44·59	44·59 44·59
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.

†Spare column, no entries required, except year's total.

(*Signed*).. (P.T.O.)

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4211

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Llysdinam

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

„ Ground „ Sea Level 646 ft.

Totals

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following (·92)

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	–	–	·12	·07	–	–	–	–	–	1·20	–		1
2	–	–	–	·22	–	–	–	–	–	–	·44	·01		2
3	–	·33	–	·08	–	–	–	–	–	–	2·21	·16		3
4	–	·20	–	·02	–	–	–	–	–	·06	1·04	·10		4
5	–	–	–	–	·17	–	·10	–	–	·22	·16	·12		5
6	·38	·82	–	–	–	–	·04	–	–	·61	·41	·30		6
7	·07	·13	–	·02	·02	–	·02	–	–	·65	·06	·45		7
8	–	–	–	–	·04	–	·03	–	·07	·80	–	·38		8
9	–	–	–	–	–	–	1·08	–	·01	·36	·04	·50		9
10	–	–	·04	–	–	–	·11	·12	·04	·30	·98	·62		10
11	·	·	·02	–	–	·	1·15	·08	·01	·11	·15	·23		11
12	–	–	·39	–	–	·07	·22	–	–	·01	1·37	·01		12
13	–	–	·15	·06	–	–	·06	–	·37	–	·51	·05		13
14	–	·05	–	·21	–	–	–	·05	·09	–	·07	·51		14
15	–	–	·03	·11	·91	·01	·05	·01	·05	·27	·10	·07		15
16	–	·34	·25	·03	–	–	·14	–	·13	·10	·25	·02		16
17	–	–	·43	–	–	–	·12	–	·65	·26	·58	–		17
18	·17	·49	·81	·39	–	–	·02	–	·06	·02	·12	·27		18
19	–	·10	·33	·12	–	–	·48	·02	·15	·03	·02	·01		19
20	–	–	·01	·10	–	–	·15	–	·02	–	·25	–		20
21	–	–	·01	–	·14	·27	·04	·08	–	·15	·09	–		21
22	–	·02	·12	·10	–	·64	–	·01	–	–	2·14	–		22
23	–	·06	·21	·14	·24	·05	·02	–	·12	·01	·02	–		23
24	·02	–	·02	–	·06	–	·06	–	·06	–	·06	–		24
25	·04	–	–	·12	·22	–	–	–	–	–	·01	–		25
26	1·45	·42	–	·04	·36	–	·20	–	·01	–	–	–		26
27	·85	·33	–	·15	·06	–	·32	·02	–	–	·03	·01		27
28	·53	·32	–	·12	·04	–	–	–	–	–	·14	·02		28
29	–	–	·16	·16	–	–	·03	–	–	–	·01	·53		29
30	·03	×	·03	·47	–	–	–	–	–	–	–	·04		30
31	·08	×	·35	×	·04	×	–	–	×	·26	×	·03		31
TOTAL	– 3·62	– 3·61	·12 ~~3·36~~ 3·48	·07 ~~2·78~~ 2·73	– 2·30	– 1·04	– 4·44	– 0·39	1·~~9~~84	1·20 ~~4·22~~ 5·42	– ~~12·46~~ 11·26	·02 ~~4·44~~ 6	Year's Total 44·6~~7~~9	
* Days with .01 in. or more.	10	13	18 ~~17~~	20	12 ~~13~~	5	21	8	15	18 ~~17~~	26 ~~27~~	23 ~~22~~	18~~8~~9	
* Days with .04 in. or more.	8	12	12 ~~11~~	17	11 ~~12~~	4	16	4	12	14 ~~13~~	21 ~~22~~	15	146	

† Spare column, no entries required.

(Signed) C. Venables-Llewelyn

* See Instruction 3 (f) on other side.

[P.T.O.

4212

CORS-YR-HWCH

1931 —— 40

780803

4212

FORM 1090. **B** Mo
Su

⁎ The following register of month … nd also the space for
&c., is NOT required if daily …
values are given on the other si…

RAINFALL IN 1931

At CORS-YR-HWCH

In the County of BRECON

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.*
Height of Ground above Sea Level 1

Month.	Total Depth.	Greatest Fall in 24 hours.		N… D… ·01 or more	or more
	Inches.	Inches.	Date.	*	*
JAN.	12·00				
FEB.	10·20				
MAR.	2·20				
APRIL	7·42				
MAY	7·10				
JUNE	6·30				
JULY	7·90				
AUG.	8·75				
SEPT.	4·50				
OCT.	4·65				
NOV.	15·26				
DEC.	7·00				
Total	93·28				

Signature J. M. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

…ister should be sent:—
Chief Engineer.
…e Birmingham

…in Summer

Direction from gauge

Direction from gauge

Distances ..

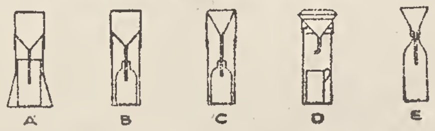
Directions from gauge ..

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Mo Summary.

4212

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At CORS-YR-HWCH

In the County of BRECON

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 1775 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	12·00				
FEB.	10·20				
MAR.	2·20				
APRIL	7·42				
MAY	7·10				
JUNE	6·30				
JULY	7·90				
AUG.	8·75				
SEPT.	4·50				
OCT.	4·65				
NOV.	15·26				
DEC.	7·00				
Total	93·28				

Signature J W Wilkinson
Chief Engineer.
City of Birmingham Water Dept

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— J. W. Wilkinson M. Inst. C.E. Chief Engineer. Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

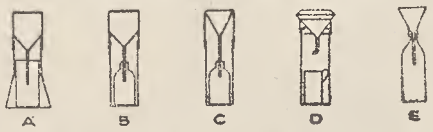
Nature of objects nearest to gauge	400			
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the* 24 *hours following* 9 *a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

4212

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At CORS-YR-HWCH.

In the County of BRECON.

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1775 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	14·20				
FEB.	0·22				
MAR.	5·90				
APRIL	7·90				
MAY	7·20				
JUNE	3·12				
JULY	7·80				
AUG.	2·11				
SEPT.	8·05				
OCT.	16·33				
NOV.	8·85				
DEC.	7·21				
Total	88·89 ✓				

Signature J. W. Wilkinson
Chief Engineer
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C. E. Chief Engineer,
Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge

Heights of objects

Distances ..

Directions from gauge ..

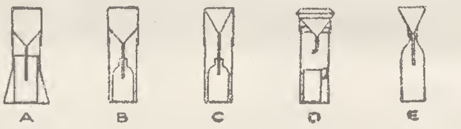
400

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4212

FORM 1090. **B** Monthly Summary.

/ Kf

C Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Birmingham W.W., Cors-yr-Hwch

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground .... ft .... in.*
- *Height of Ground above Sea Level .... ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9·00				
FEB.	7·87 ✓				
MAR.	6·30 ✓				
APRIL	1·96 ✓				
MAY	2·60 ✓				
JUNE	6·77 ✓				
JULY	5·50				
AUG.	2·90 ✓				
(1·91) SEPT.	~~1·20~~ ✓				
(10·97) OCT.	~~10·10~~ ✓				
NOV.	2·60 ✓				
DEC.	1·70 ✓				
(60·08) ✓ Total	~~58·50~~ ✓				

Signature J. H. Wilkinson

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.B.W.D.
-6 JAN. 1934
CHIEF ENGINEER'S OFFICE.

Name and Address to which any inquiry relating to this register should be sent:— ....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

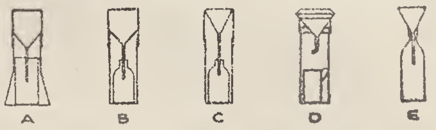
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted **in British Rainfall,** please give the observer's name and address:— ....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by Obsr. 1·34.

400

M

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4212

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Cors-yr-hwch

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	11·10 ✓				
FEB.	0·82 ✓				
MAR.	8·75 ✓				
APRIL	6·15 ✓				
MAY	4·60 ✓				
JUNE	3·60				
JULY	4·30 ✓				
AUG.	11·40 ✓				
SEPT.	9·15 ✓				
OCT.	11·70 ✓				
NOV.	4·55 ✓				
DEC.	19·10 ✓				
Total	95·22 ✓				

Signature JMWilkinson M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

C **Particulars of Station.**

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

400

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

1/8

4212

FORM 1090. **B** Monthly Summary.

***** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Birmingham W.W., Cors-yr-Lwch.

In the County of Brecon

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·90				
FEB.	12·95				
MAR.	3·50				
APRIL	11·20				
MAY	2·80				
JUNE	8·10				
JULY	2·33				
AUG.	3·60				
SEPT.	15·30 ✓				
OCT.	14·95				
NOV.	12·40				
DEC.	8·80 ✓				
Total	101·83 ✓✓				

Signature J. Wilkinson
M. Inst. C. E.
Chief Engineer.

*See Instruction 2 (*f*) below.

C **Particulars of Station.**

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C. B. W. D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

400

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4212

FORM 1090. **B** Monthly Summary.

***The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W., Cors-yr-huch

In the County of Breconshire

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... ft .... in.
Height of Ground above Sea Level .... ft.

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
					·01 in. or more	·04 in. or more
		Inches	Inches	Date	*	*
	JAN.	12.60 ✓				
	FEB.	4.45 ✓				
	MAR.	5.75 ✓				
	APRIL	5.10 ✓				
3.45	MAY	~~3.10~~ ✓				
6.30	JUNE	~~5.70~~ ✓				
	JULY	12.70				
	AUG.	2.15				
	SEPT.	✓ 7.95				
	OCT.	8.50				
	NOV.	✓ 10.20				
	DEC.	14.05 ✓				
93.80 ✓	Total	~~92.85~~ ✓				

Signature J M Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

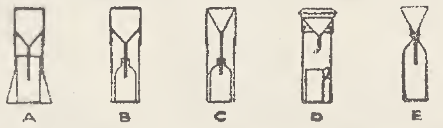
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4212

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Birmingham W.W., Cors-yr-hwch.

In the County of Brecon

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·65				
FEB.	13·10				
MAR.	(7·00) ~~5·15~~				
APRIL	8·80				
MAY	3·10				
JUNE	3·00				
JULY	4·50				
AUG.	2·10				
SEPT.	6·30				
OCT.	(5·65) ~~5·10~~				
NOV.	2·90				
DEC.	(8·50) ~~7·65~~				
TOTAL	78·60 ~~75·35~~				

Signature J. M. Wilkinson
M. Inst. C. E.

*See Instruction 2 *(f)* below.

C Particulars of Station.

TRAVELLING FORM

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
....
....

C. B. W. D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock in Winter........................in Summer..................

Nearest Railway Station.................................. Distance.................. Direction from gauge............

Nearest Parish Church at.................................. Distance.................. Direction from gauge............

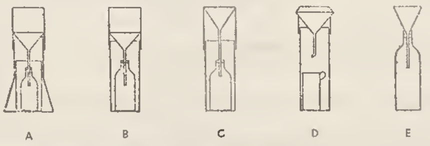
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

- (a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
  9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.
- (b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (c) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.
- (e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (f) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.
- (g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4212

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Cors-yr-hwch

In the County of Brecon

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	15·30				
FEB.	6·05				
MAR.	2·40				
APRIL	1·20				
MAY	5·65				
JUNE	9·30				
JULY	8·90				
AUG.	4·60				
SEPT.	3·60				
OCT.	12·80				
NOV.	16·00				
DEC.	8·90				
TOTAL	94·70				

Signature J. M. Wilkinson
M. Inst. C. E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

C R W D
31 JAN. 1939
CHIEF ENGINEER

Hour of observation by the clock—in Winter.................. in Summer..................

Nearest Railway Station.............................. Distance.................. Direction from gauge..................

Nearest Parish Church at.............................. Distance.................. Direction from gauge..................

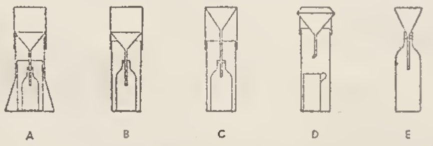
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON : PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses : Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4212

FORM 1090. **B** Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Carn-yr-hwch

In the County of Breconshire

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.........ft.........in.*
- *Height of Ground above Sea Level.........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·90				
FEB.	9·70 ✓				
MAR.	7·30 ✓				
APRIL	6·00 ✓				
MAY	1·50 ✓				
JUNE	5·50 ✓				
JULY	13·25 ✓				
AUG.	4·70 ✓				
SEPT.	1·40 ✓				
OCT.	4·50 ✓				
NOV.	19·60 ✓				
DEC.	7·50 ✓				
TOTAL	93·85 ✓				

Signature J. W. Wilkinson. a.a.B.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C. B. W. D.
9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to the register should be sent :—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance..........Direction from gauge..........

Nearest Parish Church at.......... Distance..........Direction from gauge..........

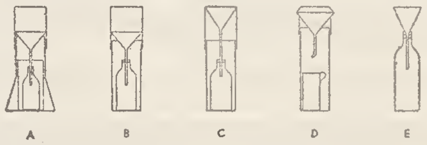
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed **in** *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4212

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Birmingham W.W., Cors-yr-hwch

In the County of Brecon

Rain Gauge {
Diameter of Funnel..........in.
Height of Top above Ground........ft..........in.
Height of Ground above Sea Level..........ft.

	Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
					·01 in. or more	·04 in. or more
		Inches	Inches	Date	*	*
	JAN.	4·80	✓			
	FEB.	5·70	✓			
	MAR.	7·20	✓			
	APRIL	4·50	✓			
	MAY	2·50	✓			
	JUNE	1·15	✓			
9·40 ✓	JULY	~~8·80~~	✓			
	AUG.	2·40	✓			
	SEPT.	5·10	✓			
	OCT.	9·85	✓			
16·65	NOV.	~~15·90~~	✓			
	DEC.	8·10	✓			
77·35 ✓	TOTAL	~~76·00~~	✓			

Signature A A Barnes.

a/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

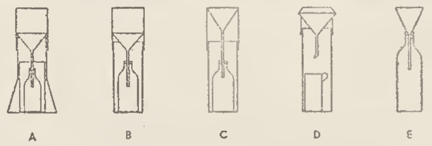
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W.H.&S. 663/91
S.O. Code No. 40-9999

FORM 1090. **B** Month
Summ

4213

4213
ESGAIR CEILIOG
1931 — 40

7P0f03

, The following register of monthly t
&c., is NOT required if daily or w
values are given on the other side.

also the space for

should be sent:—
...ief Engineer.
Birmingham

RAINFALL IN 193

At ESGAIR CEILIOG.
In the County of BRECON
Rain Gauge { Diameter of Funnel 5
Height of Top above Ground 1 *ft.* 0
Height of Ground above Sea Level 15

Summer
Direction from gauge
Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Numb Days ·01 in or more	or more
	Inches.	Inches.	Date.	*	*
JAN.	9·20				
FEB.	(8·00)				
MAR.	9·70				
APRIL	6·20				
MAY	7·40				
JUNE	5·70				
JULY	6·20				
AUG.	7·80				
SEPT.	9·50				
OCT.	9·60				
NOV.	15·30				
DEC.	5·85				
Total	(82·45)				

M

Signature J M Wilkinson
Chief Engineer
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

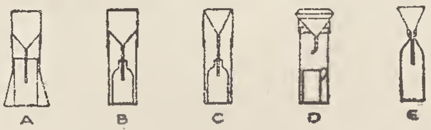
Directions from gauge ..

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4213

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At ESGAIR CEILIOG

In the County of BRECON

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9·20				
FEB.	(8·00)				
MAR.	3·70				
APRIL	6·20				
MAY	7·40				
JUNE	5·70				
JULY	6·20				
AUG.	7·80				
SEPT.	3·50				
OCT.	3·60				
NOV.	15·30				
DEC.	5·85				
Total	(82·45)				

M

Signature J W Wilkinson
Chief Engineer
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E. Chief Engineer
Water Dept, Council House Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

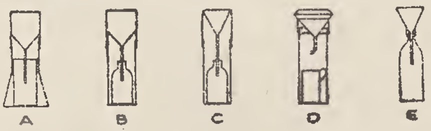
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4213

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At ESGAIR CEILIOG

In the County of BRECON

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft* 0 *in.*

Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	14·70				
FEB.	0·20				
MAR.	5·75				
APRIL	7·71				
MAY	6·60				
JUNE	2·82				
JULY	6·73				
AUG.	1·80				
SEPT.	6·35				
OCT.	14·20				
NOV.	7·84				
DEC.	6·12				
Total	80·82				

Signature J. W. Wilkinson

Chief Engineer

City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

J. W. Wilkinson M. Inst. CE Chief Engr.

Water Dept Council House, Birmingham.

Hour of observation by the clock—in Winter in Summer

Nearest Railway Station Distance Direction from gauge

Nearest Parish Church at Distance Direction from gauge

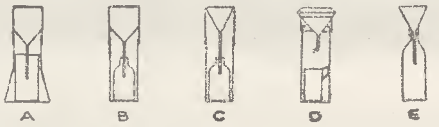
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4213

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Birmingham W.W. Esgair Ceiliog

In the County of Brecon

Rain Gauge
- Diameter of Funnel..................in.
- *Height of Top above Ground*..........*ft*..........*in.*
- *Height of Ground above Sea Level*..........*ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
(8·37) JAN.	~~9·14~~				
(6·92) FEB.	~~6·15~~				
MAR.	6·60				
APRIL	2·15				
MAY	2·60				
JUNE	5·35				
JULY	5·35				
AUG.	2·15				
SEPT.	1·60				
OCT.	9·30				
NOV.	2·30				
DEC.	1·90				
Total	54·59				

Signature J. M. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
6 JAN 1934
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by Obsr. 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following* 9 *a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4213

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W, Esgair Ceiliog

In the County of Brecon

Rain Gauge
Diameter of Funnel ....in.
Height of Top above Ground ....*ft* ....*in.*
Height of Ground above Sea Level ....*ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	10·20 ✓				
FEB.	0·65 ✓				
MAR.	7·05 ✓				
APRIL	5·70 ✓				
MAY	4·20 ✓				
JUNE	3·20				
JULY	3·30 ✓				
AUG.	9·40 ✓				
SEPT.	7·10 ✓				
OCT.	11·00 ✓				
NOV.	3·40 ✓				
DEC.	16·65 ✓				
Total	81·85 ✓				

Signature J M McKinnon M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.................in Summer..................

Nearest Railway Station.................. Distance.......... Direction from gauge..........

Nearest Parish Church at.................. Distance.......... Direction from gauge..........

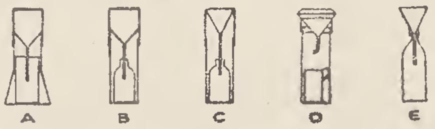
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.................. Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110,

M

4213

FORM 1090. **B** Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Birmingham W.W., Esgair Ceiliog

In the County of Brecon

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in*.
Height of Ground above Sea Level .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	4.10				
FEB.	11.20				
MAR.	2.75				
APRIL	10.10				
MAY	2.25				
JUNE	9.10				
JULY	1.70				
AUG.	3.00				
SEPT.	14.15 ✓				
OCT.	11.95				
NOV.	12.20				
DEC.	7.25 ✓				
Total	89.75 ✓				

Signature J. M. Wilkinson
M.Inst. C.E.,
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

C.B.W.D.
24 JAN 1936
ENGINEER'S OFFICE

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ——

Nearest Parish Church at .... Distance .... Direction from gauge ——

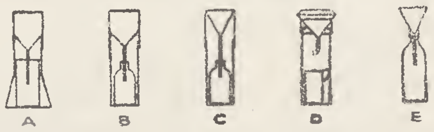
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4213

FORM 1090. **B** Monthly Summary.

***The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W. Esgair Ceiliog

In the County of Breconshire

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·90				
FEB.	4·00				
MAR.	5·20				
APRIL	4·85				
MAY	3·00				
JUNE	6·05				
JULY	11·00				
AUG.	1·15				
SEPT.	6·80				
OCT.	7·10				
NOV.	9·50				
DEC.	13·80				
Total	85·35				

Signature J. M. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

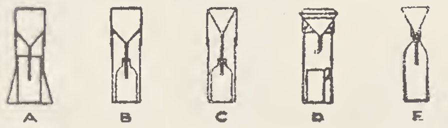
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4213

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Esgair Cilling

In the County of Brecon

Rain Gauge
Diameter of Funnel.......................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·40				
FEB.	12·70				
MAR.	6·30				
APRIL	7·15				
MAY	3·00				
JUNE	2·95				
JULY	3·60				
AUG.	1·90				
SEPT.	4·55				
OCT.	5·15				
NOV.	2·60				
DEC.	7·80				
TOTAL	71·10				

Signature J. M. Wilkinson
M.Inst.C.E.

*See Instruction 2 *(f)* below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C. B. W. D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
....
....

Hour of observation by the clock—in Winter.....................in Summer....................

Nearest Railway Station..................................... Distance................ Direction from gauge............

Nearest Parish Church at..................................... Distance................ Direction from gauge............

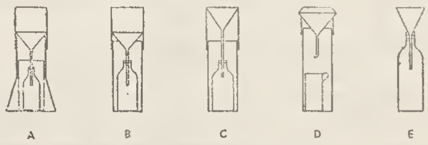
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4213

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Esgair Ceiliog

In the County of Brecon

Rain Gauge
- Diameter of Funnel..................in.
- *Height of Top above Ground........ft............in.*
- *Height of Ground above Sea Level................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·10				
FEB.	5·10				
MAR.	1·85				
APRIL	0·60				
MAY	5·70				
JUNE	7·80				
JULY	8·10				
AUG.	4·40				
SEPT.	2·45				
OCT.	12·40				
NOV.	14·30				
DEC.	8·80				
TOTAL	85·60				

Signature J. W. Wilkinson M.Inst.C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

31 JAN 1939

CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter..................in Summer..........

Nearest Railway Station.................. Distance.................. Direction from gauge..........

Nearest Parish Church at.................. Distance.................. Direction from gauge..........

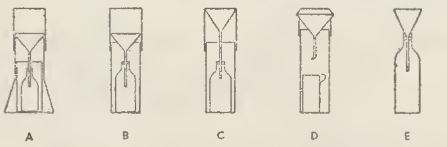
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\Big\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4213

FORM 1090. **B** Monthly Summary.

**** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Birmingham W.W., Esgair Ceiliog

In the County of Breconshire

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft..............in.*
- *Height of Ground above Sea Level....................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·90				
FEB.	9·80	✓			
MAR.	5·90	✓			
APRIL	5·90	✓			
MAY	1·40	✓			
JUNE	4·70	✓			
JULY	12·90	✓			
AUG.	3·75	✓			
SEPT.	1·10	✓			
OCT.	4·90	✓			
NOV.	17·80	✓			
DEC.	6·90	✓			
TOTAL	88·95	✓			

Signature J. W. Wilkinson.

aaB.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter......................in Summer....................

Nearest Railway Station.............................. Distance................Direction from gauge............

Nearest Parish Church at.............................. Distance................Direction from gauge............

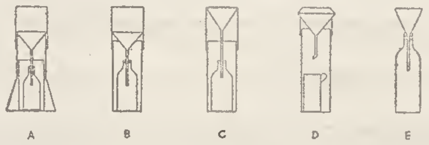
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.............................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 688/91 S.O. Code No. 40-9999

4213

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940.

At Birmingham W.W., Esgair Ceiliog

In the County of Brecon

Rain Gauge { Diameter of Funnel......................in.

Height of Top above Ground.........ft............in.

Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·50				
FEB.	6·45				
MAR.	6·51				
APRIL	4·86				
MAY	3·56				
JUNE	0·89				
JULY	8·16				
AUG.	1·63				
SEPT.	4·51				
OCT.	10·28				
NOV.	16·75				
DEC.	7·91				
TOTAL	76·01				

Signature ......a a Barnes.

a/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

C.B.W.O.

14 JAN. 1941

CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.............................Distance..............Direction from gauge..............

Nearest Parish Church at.............................Distance..............Direction from gauge..............

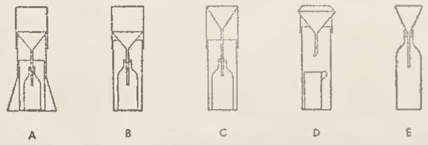
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.

Price 1d. net

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone

Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91 S.O. Code No. 40-9999

4214

4214

LLYN — CARW

1931 — 40

780803

FORM 1090. **B**

*** The following register of mo
&c., is NOT required if daily
values are given on the other

and also the space for

register should be sent:—
Chief Engineer
e Birmingham

RAINFALL IN 193

At LLYN-CARW

In the County of BRECON

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 f
Height of Ground above Sea Level

in Summer

e gauge Direction from gauge –

e gauge Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		or more	or more
	Inches.	Inches.	Date.	*	*
JAN.	10·00				
FEB.	9·00				
MAR.	2·10				
APRIL	7·14				
MAY	7·00				
JUNE	5·97				
JULY	7·50				
AUG.	7·95				
SEPT.	4·30				
OCT.	3·95				
NOV.	14·45				
DEC.	6·10				
Total	85·46				

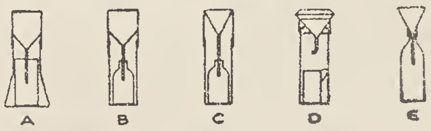
Directions from gauge ..

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M

Signature J. M. McKinnon
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

4214

B Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At LLYN-CARW

In the County of BRECON

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1775 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	10·00				
FEB.	9·00				
MAR.	2·10				
APRIL	7·14				
MAY	7·00				
JUNE	5·97				
JULY	7·50				
AUG.	7·95				
SEPT.	4·30				
OCT.	3·95				
NOV.	14·45				
DEC.	6·10				
Total	85·46				

M

Signature J. W. Wilkinson Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E. Chief Engineer, Water Dept, Council House Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

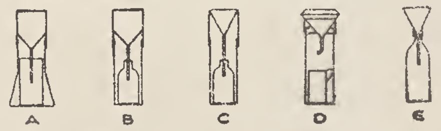
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent
Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

A214

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At LLYN CARW.

In the County of BRECON.

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1775 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	13.40				
FEB.	0.22				
MAR.	5.45				
APRIL	7.65				
MAY	6.80				
JUNE	3.12				
JULY	7.07				
AUG.	2.02				
SEPT.	7.30				
OCT.	15.66				
NOV.	7.37				
DEC.	5.88				
Total	81.94				

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E., Chief Engineer.
Water Dept. Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

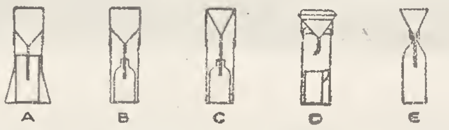
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4214

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Birmingham W.W., Glyn-Garw

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9.40				
FEB.	7.25 ✓				
MAR.	6.07 ✓				
APRIL	1.67 ✓				
MAY	2.50 ✓				
JUNE	6.35				
JULY	5·55 ✓				
AUG.	2.70 ✓				
SEPT.	1.85 ✓				
OCT.	10.25 ✓				
NOV.	2.55 ✓				
DEC.	1.40 ✓				
Total	56.54 ✓				

Signature J. M. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

C.B.W.D.
-6 JAN. 1934
CHIEF ENGINEER'S OFFICE.

Every observer is requested ~~to fill in this section and~~ also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

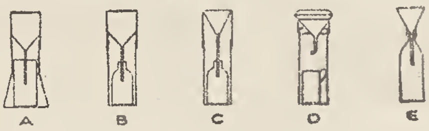
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4214

FORM 1090. **B** Monthly Summary. **C** Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Glyn-Carw

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	9·95 ✓				
FEB.	0·70 ✓				
MAR.	8·00 ✓				
APRIL	6·90 ✓				
MAY	4·10 ✓				
JUNE	3·30				
JULY	3·90 ✓				
AUG.	10·05 ✓				
(7.40) SEPT.	~~6·50~~ ✓				
(10.90) OCT.	~~9·95~~				
NOV.	3·90 ✓				
DEC.	18·50 ✓				
(87.06) Total	~~85·84~~ ✓				

Signature J. M. Wilkinson M. Inst. C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

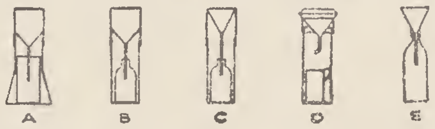
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in-use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

10 yr sheets

Months & year not to be marked
Months to be in brackets.
* with footnote
* Monthly values adjusted by Mr Wilkinson

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110

M

4214

FORM 1090. **B** Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Birmingham W.W., Llyn-Carw

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·20				
FEB.	9·80	11·30			
MAR.	3·10				
APRIL	9·95				
MAY	2·90				
JUNE	7·35				
JULY	2·25				
AUG.	2·75				
SEPT.	12·40	✓			
OCT.	12·40				
NOV.	11·80				
DEC.	7·75	✓			
Total	~~87·65~~	✓ 89·15			

Signature J. M. Wilkinson
M. Inst. C.E.
Chief Engineer.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4214

FORM 1090.

B Monthly Summary.

* * The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W. Llyn-Carw

In the County of Breconshire

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... ft .... in.
Height of Ground above Sea Level .... ft.

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
					·01 in. or more	·04 in. or more
		Inches	Inches	Date	*	*
	JAN.	11.95				
	FEB.	4.40				
	MAR.	5.30				
	APRIL	5.15				
	MAY	3.30				
6.15	JUNE	~~5.80~~				
11.35	JULY	~~11.10~~				
1.80	AUG.	~~1.10~~				
7.25	SEPT.	~~7.10~~				
7.45	OCT.	~~6.95~~				
9.20	NOV.	~~8.90~~				
13.65	DEC.	~~13.40~~				
86.95	Total	~~84.45~~				

Signature J. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Appears to be leaking slightly.
Gauge will be examined.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4214

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Llyn Carw

In the County of Brecon

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·30				
FEB.	(11·90) ~~12·90~~				
MAR.	6·90				
APRIL	8·10				
MAY	2·90				
JUNE	2·90				
JULY	4·40				
AUG.	1·10				
SEPT.	(5·80) ~~4·50~~				
OCT.	5·40				
NOV.	2·75				
DEC.	8·70				
TOTAL	~~75·15~~ ~~73·85~~ 74·15				

Signature J. M. Wilkinson.

M. Inst. C. E.

*See Instruction 2 (*f*) below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C.E.W.D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......................in Summer...................

Nearest Railway Station.................................Distance..................Direction from gauge............

Nearest Parish Church at.................................Distance..................Direction from gauge............

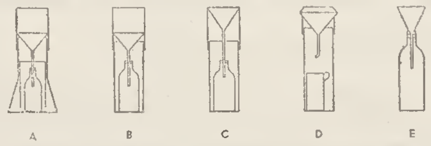
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4214

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Glyn-Carw

In the County of Brecon

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.........ft............in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·25				
FEB.	5·30				
MAR.	2·30				
APRIL	0·95				
MAY	5·30				
JUNE	8·55				
JULY	8·50				
AUG.	4·30				
SEPT.	3·55				
OCT.	12·90				
NOV.	13·90				
DEC.	9·00				
TOTAL	88·80				

Signature J. W. Wilkinson
M.Inst.C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

31 JAN 1939
CHIEF ENGINEER'S O

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

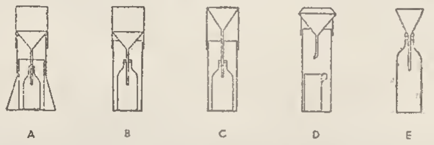
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4214

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Llyn-Carw

In the County of Breconshire

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.........ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11.80				
FEB.	9.30 ✓				
MAR.	6.20 ✓				
APRIL	5.40 ✓				
MAY	1.55 ✓				
JUNE	5.10 ✓				
JULY	12.10 ✓				
AUG.	4.50 ✓				
SEPT.	1.40 ✓				
OCT.	4.30 ✓				
NOV.	19.20 ✓				
DEC.	6.70 ✓				
TOTAL	87.55 ✓				

Signature J W. Wilkinson

aab.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
-9 JAN 1940
CHIEF ENGINEER'S OFFICE

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

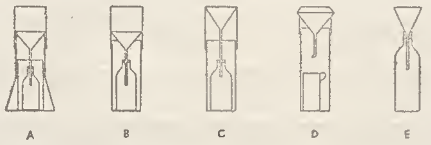
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 658/91 S.O. Code No. 40-9999

4214 N

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Birmingham W.W., Llyn Carw

In the County of Brecon

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground..........ft..........in.
Height of Ground above Sea Level..........ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4.60				
FEB.	5.45 ✓				
MAR.	6.20 ✓				
APRIL	4.30 ✓				
MAY	2.45 ✓				
JUNE	0.85 ✓				
JULY	8.50 ✓				
AUG.	2.40 ✓				
SEPT.	4.60 ✓				
OCT.	9.10 ✓				
NOV.	15.20 ✓				
DEC.	7.50 ✓				
TOTAL	71.25 ✓				

Signature A A Barnes

p/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

C. B. W. D.
14 JAN. 1941
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

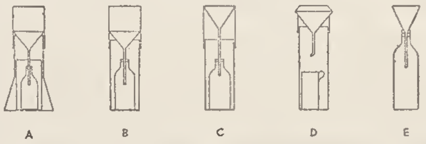
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.

Price 1d. net

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone

Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

4215

4215

NANT-Y-CAR

1931 — 40

780803

FORM 1090. **B** M S

⁎ **The following register of mo &c., is NOT required if daily values are given on the other** **and also the space for**

register should be sent:—

Chief Engineer

Birmingham

RAINFALL IN 193

At NANT-Y-CAR

In the County of BRECON

Rain Gauge
- Diameter of Funnel
- *Height of Top above Ground* 1 f
- *Height of Ground above Sea Level*

in Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		or more	or more
	Inches.	Inches.	Date.	*	*
JAN.	9.49				
FEB.	9.40				
MAR.	1.80				
APRIL	6.20				
MAY	6.80				
JUNE	5.48				
JULY	7.00				
AUG.	7.30				
SEPT.	3.70				
OCT.	3.65				
NOV.	15.18				
DEC.	6.30				
Total	82.24				

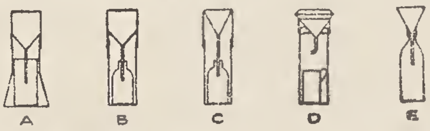
Directions from gauge ..

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M

Signature J. M. Wilkinson Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B**

4215

⁎ **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At NANT-Y-CAR

In the County of BRECON

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1545 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9.43				
FEB.	9.40				
MAR.	1.80				
APRIL	6.20				
MAY	6.80				
JUNE	5.48				
JULY	7.00				
AUG.	7.30				
SEPT.	3.70				
OCT.	3.65				
NOV.	15.18				
DEC.	6.30				
Total	82.24				

M

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— J. W. Wilkinson, M. Inst. C.E. Chief Engineer Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

4215

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.*

RAINFALL IN 1932

At NANT-Y-CAR.

In the County of BRECON

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1545 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	13.40				
FEB.	(0.23)				
MAR.	5.82				
APRIL	7.43				
MAY	(6.44)				
JUNE	2.82				
JULY	6.56				
AUG.	1.65				
SEPT.	7.04				
OCT.	15.02				
NOV.	7.41				
DEC.	6.22				
Total	(80.04)				

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E., Chief Engineer, Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

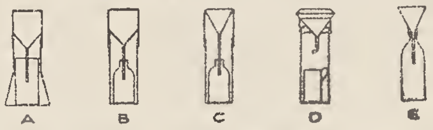
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4215

FORM 1090. **B** Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Birmingham W.W., Nant-y-Car

In the County of Brecon

Rain Gauge
Diameter of Funnel ... in.
Height of Top above Ground ... *ft* ... *in.*
Height of Ground above Sea Level ... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	8·45				
FEB.	7·12 ✓				
MAR.	5·90 ✓				
APRIL	1·50 ✓				
MAY ✓	2·40 ✓				
(5·65) JUNE	~~5·11~~				
JULY	5·20 ✓				
AUG.	2·40 ✓				
SEPT.	1·60 ✓				
OCT.	9·75 ✓				
NOV.	2·40 ✓				
DEC.	1·30 ✓				
(53·67) Total	~~53·13~~ ✓				

Signature J. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
6 JAN 1934
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter ... in Summer ...

Nearest Railway Station ... Distance ... Direction from gauge ...

Nearest Parish Church at ... Distance ... Direction from gauge ...

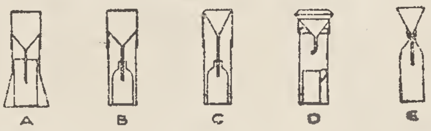
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ... Distance ... Direction ...

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by Obsr. 1.34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4215

FORM 1090.

B Monthly Summary.

_ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Nant-y-car

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* ...... *ft* ...... *in*.
- *Height of Ground above Sea Level* ...... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	10.70 ✓				
FEB.	0.66 ✓				
(7.00) MAR.	~~6.15~~ ✓				
APRIL	5.40 ✓				
MAY	4.20 ✓				
JUNE	3.05 ✓				
JULY	3.35 ✓				
AUG.	9.10 ✓				
SEPT.	6.85 ✓				
OCT.	9.80 ✓				
NOV.	3.60 ✓				
DEC.	17.60 ✓				
(81.31) Total	~~80.46~~ ✓				

Signature J. M. Wilkinson M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

107^2 sheets

as for 4214

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4215

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Birmingham W.W., Nant-y-car

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* ...... *ft* ...... *in*.
- *Height of Ground above Sea Level* ...... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	4.25				
FEB.	11.30				
MAR.	2.80				
APRIL	9.10				
MAY	2.30				
JUNE	7.70				
JULY	1.88				
AUG.	2.75				
SEPT.	12.40 ✓				
OCT.	12.90				
NOV.	11.70				
DEC.	6.90 ✓				
Total	85.98 ✓				

Signature J. W. Wilkinson
M. Inst. C.E.
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4215

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W., Nant-y-car

In the County of Breconshire

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in*.
Height of Ground above Sea Level .... *ft*.

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
					·01 in. or more	·04 in. or more
		Inches	Inches	Date	*	*
	JAN.	11·20 ✓				
	FEB.	3·95 ✓				
	MAR.	4·80 ✓				
4·30	APRIL	~~4·10~~				
	MAY	3·15				
	JUNE	5·90				
	JULY	10·65				
	AUG.	1·40				
6·75	SEPT.	~~6·15~~ ✓				
	OCT.	6·60				
	NOV.	8·85				
	DEC.	12·95				
80·50 ✓	Total	~~79·70~~				

Signature J.M. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

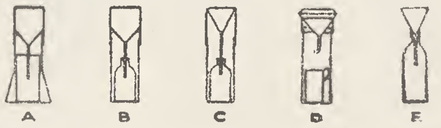
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4215

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Nant-y-car

In the County of Brecon

Rain Gauge
Diameter of Funnel..........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12.85				
FEB.	11.95				
MAR.	4.70				
APRIL	6.60				
MAY	3.05				
JUNE	2.10				
JULY	3.90				
AUG.	1.60				
SEPT.	4.50				
OCT.	5.10				
NOV.	2.60				
DEC.	8.65				
TOTAL	67.60				

Signature J. W. Wilkinson
M.Inst.C.E.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..........................in Summer..................

Nearest Railway Station.................................. Distance.................. Direction from gauge..............

Nearest Parish Church at.................................. Distance.................. Direction from gauge..............

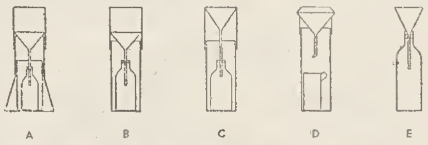
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.................. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4215

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1938.

At Birmingham W.W., Nant-y-car

In the County of Brecon

Rain Gauge
- Diameter of Funnel.....................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..............ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·05				
FEB.	5·30				
MAR.	2·10				
APRIL	0·90				
MAY	5·00				
JUNE	8·20				
JULY	8·35				
AUG.	4·10				
SEPT.	2·50				
OCT.	12·20				
NOV.	12·20				
DEC.	8·85				
TOTAL	83·75				

Signature J. W. Wilkinson
M.Inst. C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

31 JAN. 1939
CHIEF ENGINEER'S

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.............................. Distance.................Direction from gauge...........

Nearest Parish Church at.............................. Distance.................Direction from gauge...........

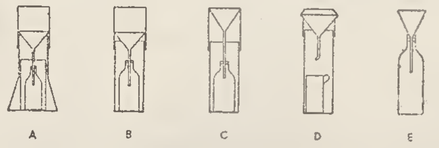
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.............................. Distance............... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 : this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91.
S.O. Code No. 40-9999

4215

Form 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Nant-y-car

In the County of Breconshire.

Rain Gauge
Diameter of Funnel..........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
Jan.	12·90				
Feb.	8·50 ✓				
Mar.	5·90 ✓				
April	5·50 ✓				
May	1·40 ✓				
June	4·45 ✓				
July	11·15 ✓				
Aug.	4·30 ✓				
Sept.	1·10 ✓				
Oct.	4·40 ✓				
Nov.	18·20 ✓				
Dec.	6·10 ✓				
Total	83·90 ✓				

Signature J.W. Wilkinson
AAB.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
-9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................................. Distance.................. Direction from gauge..................

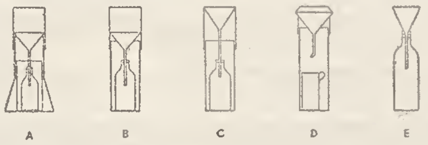
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWA[illegible] MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as* ·01 *even though they may be nearer to the* ·005 *mark than the* ·01 *mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4215/

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Birmingham W.W., Nant-y-car

In the County of Brecon

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level...................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·00	✓			
FEB.	5·10	✓			
MAR.	6·00	✓			
APRIL	4·45	✓			
MAY	2·40	✓			
JUNE	0·65	✓			
JULY	8·20	✓			
AUG.	1·85	✓			
SEPT.	4·35	✓			
OCT.	9·45	✓			
NOV.	15·35	✓			
DEC.	7·40	✓			
TOTAL	69·20	✓			

Signature A A Barnes
for CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

C.B.W.D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter......................in Summer......................

Nearest Railway Station......................Distance......................Direction from gauge......................

Nearest Parish Church at......................Distance......................Direction from gauge......................

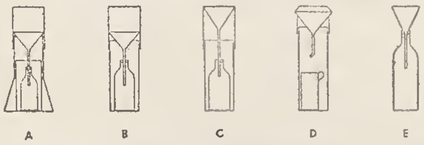
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move...................................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91 S.O. Code No. 40-9999

4216

ARBAN

1931 — 40

7P0803

4216

FORM 1090. **B** Mor Sun

*** **The following register of monthl &c., is NOT required if daily or values are given on the other sid**

d also the space for

RAINFALL IN 193

ster should be sent:—
Chief Engineer.
Birmingham

At ARBAN

In the County of BRECON

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft*
Height of Ground above Sea Level 13

n Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Nur Day ·01 i or more	or more
	Inches.	Inches.	Date.	*	*
JAN.	10·20				
FEB.	8·70				
MAR.	1·80				
APRIL	(7·55)				
MAY	6·10				
JUNE	5·10				
JULY	7·60				
AUG.	7·20				
SEPT.	4·30				
OCT.	3·70				
NOV.	13·90				
DEC.	5·90				
Total	(82·05)				

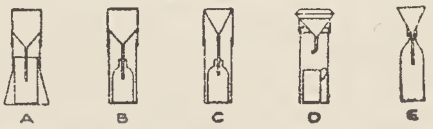
Directions from gauge ..

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M

Signature J M Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Mo
Sun

4216

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At ARBAN
In the County of BRECON

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	10·20				
FEB.	8·70				
MAR.	1·80				
APRIL	(7·55)				
MAY	6·10				
JUNE	5·10				
JULY	7·60				
AUG.	7·20				
SEPT.	4·30				
OCT.	3·70				
NOV.	13·90				
DEC.	5·90				
Total	(82·05)				

M

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson M. Inst. C.E. Chief Engineer.
Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

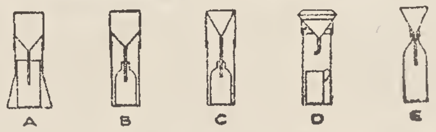
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

4216

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932.

At ARBAN.

In the County of BRECON.

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	11.60				
FEB.	0.20				
MAR.	5.60				
APRIL	6.90				
MAY	6.40				
JUNE	2.70				
JULY	6.50				
AUG.	2.15				
SEPT.	7.40				
OCT.	14.40				
NOV.	7.40				
DEC.	5.50				
Total	76.75				

Signature J. W. Wilkinson

Chief Engineer.

City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— J. W. Wilkinson, M. Inst. C.E., Chief Engineer Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4216

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Birmingham W.W., Arban

In the County of Brecon

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft.* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7·60				
FEB.	7·10 ✓				
MAR.	5·50 ✓				
APRIL	1·40 ✓				
MAY	2·40 ✓				
JUNE	6·20				
JULY	6·15 ✓				
AUG.	2·90 ✓				
SEPT.	1·50 ✓				
OCT.	9·80 ✓				
NOV.	2·30 ✓				
DEC.	1·35 ✓				
Total	54·20 ✓				

Signature J McKinnon

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

C.B.W.D.
6 JAN 1934
CHIEF ENGINEER'S OFFICE

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4216

FORM 1090. **B** Monthly Summary.

_ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Arban
In the County of Brecon

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	9·30 ✓				
FEB.	0·75 ✓				
MAR.	6·00 ✓				
APRIL	5·40 ✓				
MAY	4·20 ✓				
JUNE	3·00				
JULY	3·60 ✓				
AUG.	9·10 ✓				
SEPT.	6·70 ✓				
OCT.	10·90 ✓				
NOV.	3·60 ✓				
DEC.	15·70 ✓				
Total	78·25 ✓ ✓				

Signature .... M.Inst C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

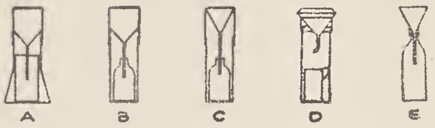
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4216

FORM 1090. **B** Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Birmingham W.W., Arban

In the County of Brecon

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft* .... *in*.

Height of Ground above Sea Level .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	6·25				
FEB.	9·30				
MAR.	2·70				
APRIL	8·00				
MAY	2·40				
JUNE	7·00				
JULY	2·00				
AUG.	3·00				
SEPT.	11·00				
OCT.	12·40				
NOV.	11·20				
DEC.	7·20				
Total	82·45				

Signature J. M. Wilkinson

M. Inst. C.E.
Chief Engineer.

*See Instruction 2 (*f*) below.

C **Particulars of Station.**

C. B. W. D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

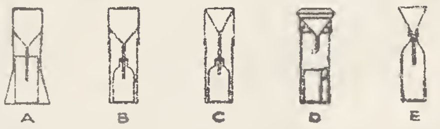
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4216

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W., Arban

In the County of Breconshire

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground .... ft .... in.*
- *Height of Ground above Sea Level .... ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	9·15 ✓				
FEB.	4·40 ✓				
MAR.	4·30 ✓				
APRIL	4·30				
MAY	3·25 ✓				
JUNE	5·50 ✓				
10·50 JULY	~~11·00~~				
AUG.	1·60				
SEPT.	6·80 ✓				
OCT.	7·00				
NOV.	8·20 ✓				
DEC.	12·90 ✓				
77·90 ✓ Total	~~78·40~~				

Signature J. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}$ ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4216

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Arbam

In the County of Brecon

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.........ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·90 ~~12·25~~				
FEB.	10·40				
MAR.	6·00				
APRIL	7·75				
MAY	2·40				
JUNE	2·20				
JULY	3·90				
AUG.	1·05				
SEPT.	5·90				
OCT.	5·15				
NOV.	2·40				
DEC.	6·55				
TOTAL	65·60 ~~65·95~~				

Signature ....

M.Inst.C.E.

*See Instruction 2 (*f*) below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C.B.W.D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

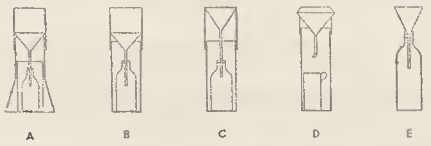
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4216

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Arban

In the County of Brecon

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground*.........*ft*.............*in.*
- *Height of Ground above Sea Level*..................*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·80				
FEB.	5·25				
MAR.	2·40				
APRIL	1·10				
MAY	4·50				
JUNE	8·10				
JULY	8·70				
AUG.	4·90				
SEPT.	3·55				
OCT.	11·80				
NOV.	11·40				
DEC.	8·80				
TOTAL	82·30				

Signature J M Wilkinson
M.Inst. C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

31 JAN. 1939
CHIEF ENGINEER'S

Hour of observation by the clock—in Winter.......................in Summer...................

Nearest Railway Station...................................Distance..................Direction from gauge..................

Nearest Parish Church at.. Distance..................Direction from gauge..................

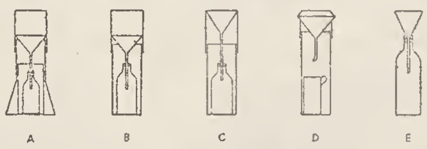
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2: 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4216

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W. Arban

In the County of Breconshire

Rain Gauge
- Diameter of Funnel.........in.
- *Height of Top above Ground.........ft.........in.*
- *Height of Ground above Sea Level.........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	10·40 ✓				
FEB.	8·55 ✓				
MAR.	5·45 ✓				
APRIL	4·70 ✓				
MAY	1·50 ✓				
JUNE	4·50 ✓				
JULY	10·65 ✓				
AUG.	3·85 ✓				
SEPT.	1·50 ✓				
OCT.	4·50 ✓				
NOV.	18·70 ✓				
DEC.	6·20 ✓				
TOTAL	80·50 ✓				

Signature J. W. Wilkinson

aab.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
- 9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.........in Summer.........

Nearest Railway Station......... Distance.........Direction from gauge.........

Nearest Parish Church at......... Distance.........Direction from gauge.........

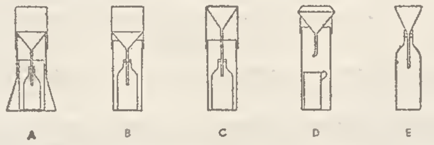
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move......... Distance......... Direction.........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/3165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4216

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Birmingham W.W., Arban

In the County of Brecon

Rain Gauge
Diameter of Funnel........................in.
Height of Top above Ground.........ft..............in.
Height of Ground above Sea Level.................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·55	✓			
FEB.	5·70				
MAR.	5·55	✓			
APRIL	3·70	✓			
MAY	2·40	✓			
JUNE	0·80	✓			
JULY	8·45	✓			
AUG.	2·60	✓			
SEPT.	4·90	✓			
OCT.	8·85	✓			
NOV.	14·50	✓			
DEC.	7·20	✓			
TOTAL	69·20	✓			

Signature A A Barnes
for CHIEF ENGINEER.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C. E. W. D.
14 JAN. 1941
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................... Distance................ Direction from gauge..........

Nearest Parish Church at.................... Distance................ Direction from gauge..........

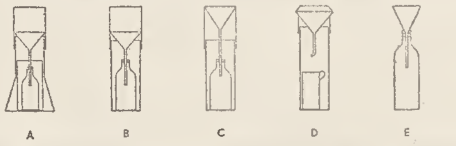
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4217

—

4217

TYN-Y-PANT

1931 — 40

780803

FORM 1090.

B Mo Su

*** **The following register of month &c., is NOT required if daily values are given on the other s** **and also the space for**

ister should be sent:—

RAINFALL IN 193

At TYN-Y-PANT

In the County of BRECON

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft*
Height of Ground above Sea Level

..in Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		N D ·0 or more	or more
	Inches.	Inches.	Date.	*	*
JAN.	(6.90)				
FEB.	(5.90)				
MAR.	2.60				
APRIL	5.10				
MAY	(6.25)				
JUNE	4.10				
JULY	4.81				
AUG.	6.20				
SEPT.	2.90				
OCT.	2.30				
NOV.	13.20				
DEC.	4.30				
Total	(64.56)				

M

Signature J M Wilkinson
Chief Engineer
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

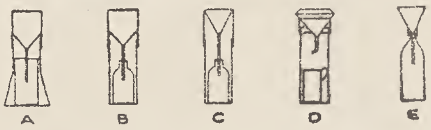
Directions from gauge ..

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** M
Su

4217

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At TYN-Y-PANT

In the County of BRECON

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1320 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(6·90)				
FEB.	(5·90)				
MAR.	2·60				
APRIL	5·10				
MAY	(6·25)				
JUNE	4·10				
JULY	4·81				
AUG.	6·20				
SEPT.	2·90				
OCT.	2·30				
NOV.	13·20				
DEC.	4·30				
Total	(64·56)				

M

Signature J M Wilkinson
Chief Engineer.
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

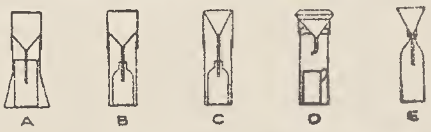
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following* 9 *a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

B Monthly Summary.

4217

C Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932.

At TYN-Y-PANT.

In the County of BRECON.

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 1320 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	10:80				
FEB.	0:20				
MAR.	4:00				
APRIL	(6·38)				
MAY	(5·32)				
JUNE	2:20				
JULY	5:50				
AUG.	1:40				
SEPT.	4:70				
OCT.	11:30				
NOV.	5·60				
DEC.	4:20				
Total	61·60				

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— J. W. Wilkinson, M. Inst. C. E., Chief Engineer. Water Dept., Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

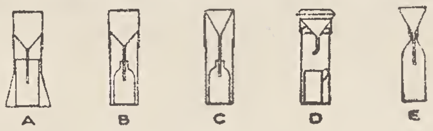
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4217

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933.

At Birmingham W.W., Lynypant

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7·10				
FEB.	6·50 ✓				
MAR.	4·80 ✓				
APRIL	1·50 ✓				
MAY	2·30 ✓				
JUNE	4·40				
(3·85) ✓ JULY	~~4·60~~ Gauge interfered with				
AUG.	1·60 ✓				
SEPT.	1·30 ✓				
OCT.	7·70 ✓				
NOV.	1·90 ✓				
DEC.	2·00 ✓				
(44·95) Total	~~[illegible]~~				

Signature J Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.B.W.D.
-6 JAN 1934
CHIEF ENGINEER'S OFFICE.

Name and Address to which any inquiry relating to this register should be sent:— ....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

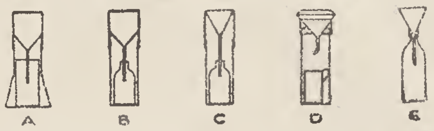
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:— ....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

July gauge interfered with, corrd. by Obsr. 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4217

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Lyn-y-pant

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	8.10 ✓				
FEB.	0.50 ✓				
MAR.	5.70 ✓				
APRIL	4.90 ✓				
MAY	3.10 ✓				
JUNE	2.30 ✓				
JULY	2.70 ✓				
AUG.	7.50 ✓				
SEPT.	4.90 ✓				
OCT.	6.90 ✓				
NOV.	2.50 ✓				
DEC.	15.20 ✓				
Total	64.30 ✓ ✓				

Signature J M Wilkinson M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

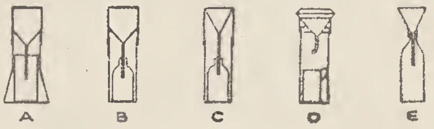
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4217

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Birmingham W.W., Lyn-y-pant

In the County of Brecon

Rain Gauge
Diameter of Funnel............in.
Height of Top above Ground.........*ft*.........*in*.
Height of Ground above Sea Level.........*ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	3·20				
FEB.	8·50				
MAR.	2·10				
APRIL	8·10				
MAY	2·00				
JUNE	6·30				
JULY	1·20				
AUG.	2·30				
SEPT.	12·10 ✓				
OCT.	9·80				
NOV.	~~8·60~~	10·25			
DEC.	~~8·10~~	✓ 6·45			
Total	72·30 ✓				

Signature J M Wilkinson
M. Inst. C.E.
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C. B. W. D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

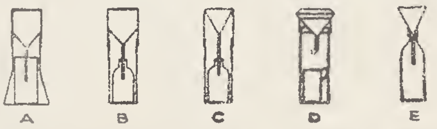
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4217

FORM 1090. **B** Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Birmingham W.W., Tyn-y-pant

In the County of Breconshire

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	9·90				
FEB.	3·40				
MAR.	4·60				
APRIL	3·90				
MAY	2·55				
JUNE	6·25				
JULY	8·30				
AUG.	·90				
SEPT.	5·10				
OCT.	5·20				
NOV.	7·60				
DEC.	10·20				
Total	67·90				

Signature J. M. Wilkinson

---

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

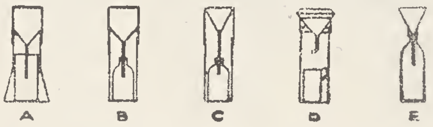
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\ \cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4217

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Tyn-y-pant

In the County of Brecon

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.........ft.........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11.00				
FEB.	9.70				
MAR.	4.90				
APRIL	5.20				
MAY	2.30				
JUNE	1.80				
JULY	2.90				
AUG.	1.20				
SEPT.	3.50				
OCT.	4.60				
NOV.	2.10				
DEC.	5.20				
TOTAL	54.40				

Signature J M Wilkinson

M.Inst.C.E.

*See Instruction 2 *(f)* below.

C Particulars of Station.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C. B. W. D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

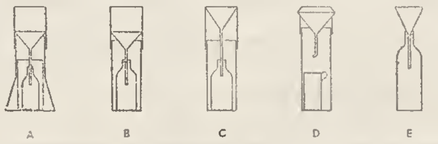
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) It is known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

- (a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
  9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.
- (b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (c) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.
- (e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*
- (g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1090 15,000 2/35 W. H. & S. 668/91.

4217

FORM 1090.

B Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1938.

At Birmingham W.W., Tyn-y-pant

In the County of Brecon

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground*.....*ft*.....*in.*
- *Height of Ground above Sea Level*..........*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·10				
FEB.	4·10				
MAR.	1·20				
APRIL	0·60				
MAY	5·30				
JUNE	5·80				
JULY	6·20				
AUG.	4·20				
SEPT.	1·90				
OCT.	10·20				
NOV.	11·20				
DEC.	6·90				
TOTAL	68·70				

Signature J. M. Wilkinson
M. Inst. C.E.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C D
31 JAN 1939
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

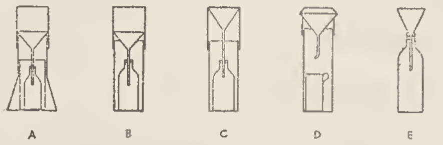
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast: or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4217

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Tyn-y-pant

In the County of Breconshire

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground..........ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·60				
FEB.	7·70	✓			
MAR.	4·50	✓			
APRIL	4·80	✓			
MAY	1·20	✓			
JUNE	3·60	✓			
JULY	10·10	✓			
AUG.	3·50	✓			
SEPT.	0·90	✓			
OCT.	3·80	✓			
NOV.	14·50	✓			
DEC.	5·20	✓			
TOTAL	71·40	✓			

Signature J. W. Wilkinson

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
- 9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry regarding the register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

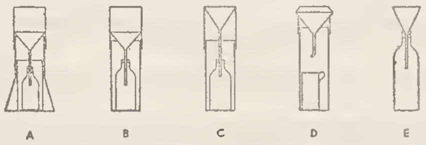
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 663/91
S.O. Code No. 40-9999

4217

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Birmingham W.W., Tyn-y-pant

In the County of Brecon

Rain Gauge
Diameter of Funnel..........................in.
Height of Top above Ground.........ft..............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·70				
FEB.	4·80				
MAR.	4·90				
APRIL	3·90				
MAY	2·60				
JUNE	0·60				
JULY	6·00				
AUG.	1·20				
SEPT.	3·10				
OCT.	8·50				
NOV.	14·70				
DEC.	6·30				
TOTAL	60.30				

Signature ......A A Barnes.
a/CHIEF ENGINEER.

*See Instruction 3 (f) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

C.R.W.D.
14 JAN. 1941
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter.................Summer..................

Nearest Railway Station.............................. Distance................Direction from gauge............

Nearest Parish Church at.............................. Distance................Direction from gauge............

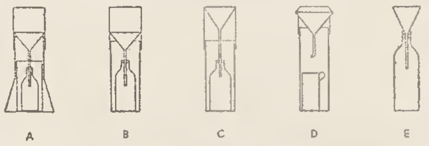
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

FORM 1090. **B** Mo Su

4218

4218

ESGAIR GARTHEN

1931 —— 40

780803

*** The following register of montl &c., is NOT required if daily values are given on the other s

nd also the space for

ister should be sent :—

Chief Engineer,
Birmingham

RAINFALL IN 193

At ESGAIR GARTHEN

In the County of BRECON

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.*
Height of Ground above Sea Level 15

in Summer

Direction from gauge

Direction from gauge

gauge ..

Month.	Total Depth.	Greatest Fall in 24 hours.		Nu Da ·01 or m	
	Inches.	Inches.	Date.		
JAN.	11·20				
FEB.	9·00				
MAR.	2·50				
APRIL	8·20				
MAY	6·20				
JUNE	5·50				
JULY	8·40				
AUG.	7·10				
SEPT.	4·30				
OCT.	4·20				
NOV.	12·70				
DEC.	(6·40)				
Total	(85·70)				

M

Signature J M McKinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Mo Su

4218

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At ESGAIR GARTHEN

In the County of BRECON

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1590 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	11·20				
FEB.	9·00				
MAR.	2·50				
APRIL	8·20				
MAY	6·20				
JUNE	5·50				
JULY	8·40				
AUG.	7·10				
SEPT.	4·30				
OCT.	4·20				
NOV.	12·70				
DEC.	(6·40)				
Total	(85·70)				

M

Signature J W Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— J. W. Wilkinson, M. Inst. C.E. Chief Engineer Water Dept, Council House Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

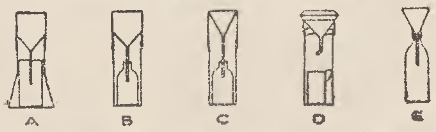
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

- (*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*
- (*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in
- (*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*
- (*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4218

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At ESGAIR GARTHEN.

In the County of BRECON.

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in*.
Height of Ground above Sea Level 1590 *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	12.10				
FEB.	0.30				
MAR.	(5.71)				
APRIL	7.20				
MAY	6.40				
JUNE	2.60				
JULY	7.40				
AUG.	2.00				
SEPT.	(7.56)				
OCT.	15.50				
NOV.	(7.43)				
DEC.	(5.41)				
Total	(79.61)				

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept

/ M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E., Chief Engineer, Water Dept, Council House Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

This gauge is being examined as its record seems unreliable when compared with surrounding gauges.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | }·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4218

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Birmingham W.W., Elan Valley, Caban Coch

In the County of Brecon

Rain Gauge
Diameter of Funnel ....in.
Height of Top above Ground..........ft...........in.
Height of Ground above Sea Level..........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
(7·90) JAN.	~~6·20~~				
(7·90) FEB.	~~9·60~~				
MAR.	5·30 ✓				
APRIL	1·30 ✓				
MAY	2·63 ✓				
JUNE	5·65				
JULY	6·20 ✓				
AUG.	2·80 ✓				
SEPT.	1·80 ✓				
OCT.	10·50 ✓				
NOV.	2·60 ✓				
DEC.	1·50 ✓				
Total	56·08 ✓				

Signature J. M. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
-6 JAN 1934
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

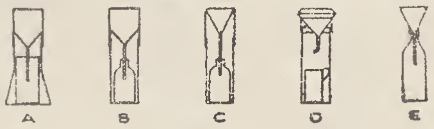
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by Obsr. 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4218

FORM 1090. **B** Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W. Esgair Garthen

In the County of Brecon

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	10.20 ✓				
FEB.	0.85 ✓				
MAR.	6.50 ✓				
APRIL	5.70 ✓				
MAY	4.30 ✓				
JUNE	3.25 ✓				
JULY	3.90 ✓				
AUG.	9.60 ✓				
SEPT.	7.00 ✓				
OCT.	11.00 ✓				
NOV.	9.80 ✓				
DEC.	16.35 ✓				
Total	88.45 ✓ ✓				

Signature M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

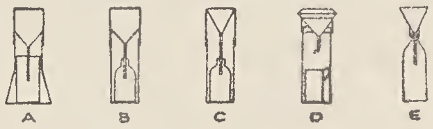
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4218

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Birmingham W.W., Esgair Garthen

In the County of Brecon

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	6.40				
FEB.	10.60				
MAR.	2.90				
APRIL	7.85				
MAY	2.30				
JUNE	7.30				
JULY	2.40				
AUG.	3.10				
SEPT.	12.50				
OCT.	11.70				
NOV.	11.80				
DEC.	7.25				
Total	86.10				

Signature J. W. Wilkinson
M. Inst. C.E.
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

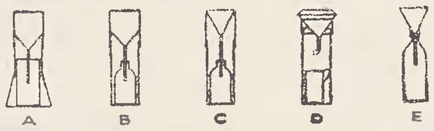
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4218

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W., Esgair Garthen

In the County of Breconshire

Rain Gauge { Diameter of Funnel..........in.
Height of Top above Ground..........ft..........in.
Height of Ground above Sea Level..........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	9·80 ✓				
FEB.	4·15 ✓				
MAR.	4·30 ✓				
APRIL	4·70				
MAY	3·20 ✓				
JUNE	6·40 ✓				
JULY	10·60				
AUG.	1·70				
SEPT.	✓ 8·10				
OCT.	7·90 ✓ ✓				
NOV.	10·25 ✓				
DEC.	14·90 ✓				
Total	86·00 ✓ ✓				

Signature J. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* *9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4218

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Birmingham W.W., Esgair Garthen

In the County of Brecon

Rain Gauge
- Diameter of Funnel......................in.
- *Height of Top above Ground........ft............in.*
- *Height of Ground above Sea Level................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·30 ~~12·30~~				
FEB.	11·30				
MAR.	6·20				
APRIL	8·60				
MAY	2·60				
JUNE	2·60				
JULY	4·20				
AUG.	1·00				
SEPT.	5·40				
OCT.	5·40				
NOV.	2·55				
DEC.	7·20				
TOTAL	70·35				

Signature J. M. Wilkinson

M. Inst. C.E.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.B.W.D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.................in Summer...............

Nearest Railway Station.............................. Distance................ Direction from gauge............

Nearest Parish Church at.............................. Distance................ Direction from gauge............

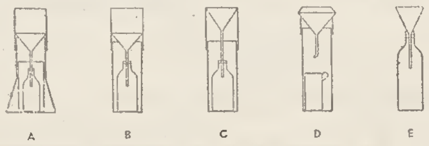
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4218

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Esgair Garthen

In the County of Brecon

Rain Gauge
- Diameter of Funnel......................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	~~11.00~~ 11.50				
FEB.	~~5.40~~ 5.10				
MAR.	2.45				
APRIL	1.10				
MAY	4.45				
JUNE	7.40				
JULY	8.00				
AUG.	3.75				
SEPT.	3.40				
OCT.	11.20				
NOV.	11.10				
DEC.	9.00				
TOTAL	78.45				

Signature J. Wilkinson
M.Inst.C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

C. B. W. D.
31 JAN 1939
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..........................in Summer....................

Nearest Railway Station..................................Distance.................Direction from gauge..................

Nearest Parish Church at..................................Distance.................Direction from gauge..................

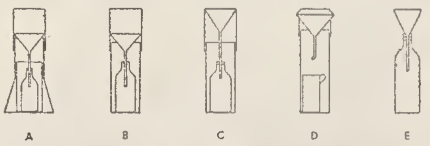
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

estimations seem reasonable. L.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{array}{c|c}17 & \multirow{2}{*}{\}\cdot14} \\ 18 & \end{array}$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4218

FORM 1090. **B** Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Esgair Garthen

In the County of Breconshire

Rain Gauge
- Diameter of Funnel..............in.
- *Height of Top above Ground........ft............in.*
- *Height of Ground above Sea Level...............ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	10.60				
FEB.	9.20 ✓				
MAR.	5.50 ✓				
APRIL	5.00 ✓				
MAY	1.55 ✓				
JUNE	4.20 ✓				
JULY	10.60 ✓				
AUG.	4.00 ✓				
SEPT.	1.50				
OCT.	4.70 ✓				
NOV.	18.00 ✓				
DEC.	6.10 ✓				
TOTAL	80.95 ✓				

Signature J W. Wilkinson. a.a.B.

* See Instruction 3 (f) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C. B. W. D.
—9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..............in Summer..............

Nearest Railway Station.............. Distance.............. Direction from gauge..............

Nearest Parish Church at.............. Distance.............. Direction from gauge..............

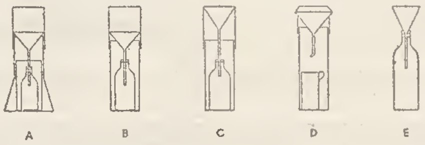
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.............. Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES [illegible] MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 688/91
S.O. Code No. 40-9999

4218

FORM 1090. **B** Monthly Summary.

C Particulars of Station.

* **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 19~~3~~40

At Birmingham W.W., Esgair Garthen

In the County of Brecon

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.........ft..........in.*
- *Height of Ground above Sea Level..........ft.*

	Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
					·01 in. or more	·04 in. or more
		Inches	Inches	Date	*	*
4·30	JAN.	~~2·60~~				
	FEB.	5·90				
	MAR.	6·10				
	APRIL	3·90				
	MAY	2·40				
	JUNE	0·60				
	JULY	9·30				
	AUG.	2·40				
	SEPT.	4·80				
9·10	OCT.	~~8·50~~				
15·10	NOV.	~~11·30~~				
7·50	DEC.	~~7·00~~				
71·40	TOTAL	~~68·80~~				

Signature A. A. Barnes

a/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible.

Name and Address to which any inquiry relating to this register should be sent:—

C.E.W.D.
14 JAN. 1941
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

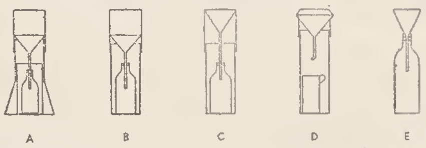
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Suspect leak at end of year.
Being investigated

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4219

Section **A** for the entry of D

AIR MINISTRY.

Y FOR OFFICIAL USE.

RGANIZATION.

FORM 1090.

REGIST

4219

ELAN VILLAGE

1931 — 40

7 Fo803

Kept at ELAN VILLAG

in the County of BREC

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea Lev

THE MORNING MEASUR

An observer who does not conform to th

year in the space on the right of this

P

ving

Jan. 1, following

Date	Jan.	Feb.	March	A							Nov.	Dec.	*Date*
	in.	in.	in.								in.	in.	
1	·10	–	–	·11	–	·05	–	–	·40	·13	–	–	1
2	·04	·06	–	·52	·44	–	–	·07	·93	·02	·92	·52	2
3	·23	–	·04	–	–	–	·06	–	·24	·01	2·39	·42	3
4	–	–	·15	·40	·23	–	·11	·41	·22	·01	·13	·28	4
5	–	·18	–	·33	·06	1·08	·02	·09	–	–	–	·45	5
6	–	·12	–	·21	·11	·04	·73	–	·01	·50	·20	·04	6
7	–	·09	–	–	·16	·14	·03	·37	–	·22	·20	·11	7
8	·06	·13	–	·13	–	·43	·05	·25	–	·07	·30	·16	8
9	–	·77	–	·02	–	·13	·01	·01	–	·31	·70	·03	9
10	·01	·18	–	–	·17	·29	·02	·15	–	–	·82	–	10
11	·47	·44	·08	–	·03	·08	·28	·05	·32	–	·28	–	11
12	·01	·35	–	–	–	–	·15	–	·08	·09	·14	–	12
13	–	·16	·13	–	·28	·03	·17	·29	–	–	–	·01	13
14	·12	·20	·06	–	·19	·45	·45	1·20	·05	–	1·21	·01	14
15	·11	·34	–	·14	·08	·02	·21	·51	·03	–	–	·06	15
16	·63	·37	–	·75	·06	·35	·03	·47	·06	–	–	–	16
17	·11	·15	–	·10	·34	·04	·28	–	–	–	·02	–	17
18	·56	–	·02	·08	·16	·42	·38	·27	–	–	·21	–	18
19	·16	·17	–	·08	–	·16	·08	·93	–	–	·07	–	19
20	–	·25	·23	–	–	–	–	·35	·01	–	·09	·05	20
21	·61	·03	–	·02	·34	·01	·03	·03	–	–	·08	–	21
22	·77	·20	·27	·06	·18	–	·08	·12	–	–	·01	–	22
23	·25	·04	–	·34	·32	·05	·34	–	–	–	61	·24	23
24	·15	·17	–	·70	·07	·01	·22	–	–	–	·16	·23	24
25	·37	·65	–	·56	·05	–	·05	–	–	–	·13	·10	25
26	·05	·21	–	·18	–	–	18	–	–	–	·75	·02	26
27	·21	·71	·11	·04	1·88	–	·32	–	–	·41	·31	·10	27
28	·49	·44	·36	·04	·48	–	·09	–	–	–	–	·52	28
29	·22	×	·26	–	·02	–	·41	–	·01	·52	·09	·07	29
30	·09	×	–	·05	–	–	·03	–	·07	–	–	·01	30
31	1·03	×	–	×	·14	×	–	–	×	–	×	·12	31
TOTAL	6·85	6·41	1·71	4·86	5·79	3·78	4·81	5·57	2·43	2·29	9·82	3·55	YEAR'S TOTAL 57·87
*Days with ·01 in. or more.	24	24	11	21	22	18	27	17	13	11	23	21	232
*Days with ·04 in. or more.	22	23	10	19	20	14	20	15	9	8	21	16	197

40-9999 M

*See Instruction 2 (f) on other side.

(Signed) J. McKinson

Chief Engineer.

City of Birmingham Water Dept.

P.T.O.

4219

Section A for the entry of
AIR MINISTRY
FOR OFFICIAL USE.
ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 193 .

Kept at ELAN VILLAGE
in the County of BRECON
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level 700 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·10	-	-	·11	-	·05	-	-	·40	·13	-	-	1
2	·04	·06	-	·52	·44	-	-	·07	·93	·02	·92	·52	2
3	·23	-	·04	-	-	-	·06	-	·24	·01	2·39	·42	3
4	-	-	·15	·40	·23	-	·11	·41	·22	·01	·13	·28	4
5	-	·18	-	·33	·06	1·08	·02	·09	-	-	-	·45	5
6	-	·12	-	·21	·11	·04	·73	-	·01	·50	·20	·04	6
7	-	·09	-	-	·16	·14	·03	·37	-	·22	·20	·11	7
8	·06	·13	-	·13	-	·43	·05	·25	-	·07	·30	·16	8
9	-	·77	-	·02	-	·13	·01	·01	-	·31	·70	·03	9
10	·01	·18	-	-	·17	·29	·02	·15	-	-	·82	-	10
11	·47	·44	·08	-	·03	·08	·28	·05	·32	-	·28	-	11
12	·01	·35	-	-	-	-	·15	-	·08	·09	·14	-	12
13	-	·16	·13	-	·28	·03	·17	·29	-	-	-	·01	13
14	·12	·20	·06	-	·19	·45	·45	1·20	·05	-	1·21	·01	14
15	·11	·34	-	·14	·08	·02	·21	·51	·03	-	-	·06	15
16	·63	·37	-	·75	·06	·35	·03	·47	·06	-	-	-	16
17	·11	·15	-	·10	·34	·04	·28	-	-	-	·02	-	17
18	·56	-	·02	·08	·16	·42	·38	·27	-	-	·21	-	18
19	·16	·17	-	·08	-	·16	·08	·93	-	-	·07	-	19
20	-	·25	·23	-	-	-	-	·35	·01	-	·09	·05	20
21	·61	·03	-	·02	·34	·01	·03	·03	-	-	·08	-	21
22	·77	·20	·27	·06	·18	-	·08	·12	-	-	·01	-	22
23	·25	·04	-	·34	·32	·05	·34	-	-	-	·61	·24	23
24	·15	·17	-	·70	·07	·01	·22	-	-	-	·16	·23	24
25	·37	·65	-	·56	·05	-	·05	-	-	-	·13	·10	25
26	·05	·21	-	·18	-	-	·18	-	-	-	·75	·02	26
27	·21	·71	·11	·04	1·88	-	·32	-	-	·41	·31	·10	27
28	·49	·44	·36	·04	·48	-	·09	-	-	-	-	·52	28
29	·22	×	·26	-	·02	-	·41	-	·01	·52	·09	·07	29
30	·09	×	-	·05	-	-	·03	-	·07	-	-	·01	30
31	1·03	×	-	×	·14	×	-	-	×	-	×	·12	31
TOTAL	6·85	6·41	1·71	4·86	5·79	3·78	4·81	5·57	2·43	2·29	9·82	3·55	YEAR'S TOTAL 57·87
*Days with ·01 in. or more.	24	24	11	21	22	18	27	17	13	11	23	21	232
*Days with ·04 in. or more.	22	23	10	19	20	14	20	15	9	8	21	16	197

40-9999 M

*See Instruction 2 (f) on other side.

(Signed) J.M.Wilkinson [P.T.O.
Chief Engineer.
City of Birmingham Water Dept.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4219

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Elan Village

in the County of Brecon

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 700 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·45	-	-	·41	1·55	·09	·34	·16	·25	-	·11	·29	1
2	·27	-	-	-	·24	-	-	·01	·55	·18	·11	·48	2
3	·04	·01	-	·15	-	-	·33	-	-	·07	·08	·22	3
4	·19	-	-	58	-	-	·28	-	-	·01	·45	-	4
5	1·88	-	·11	·20	·01	-	-	-	·17	-	-	-	5
6	·93	-	·32	·64	·01	-	·46	-	·27	·05	-	-	6
7	·21	-	·56	·10	·07	-	·05	-	·70	1·73	-	-	7
8	·05	-	·25	·28	·01	-	-	·01	·08	·08	-	-	8
9	1·61	·07	-	·24	·26	-	-	-	-	-	·02	-	9
10	·80	-	·01	·47	·04	-	-	-	·31	·54	-	-	10
11	·28	-	-	·17	·24	·43	1·73	-	·01	·08	·01	-	11
12	·79	-	-	-	·36	-	-	-	·43	·45	-	·02	12
13	·15	·05	-	·30	·07	-	·86	·20	·35	·38	·03	·32	13
14	·48	·01	-	·16	·03	-	-	·04	-	·21	·08	·07	14
15	·14	-	-	·01	·28	-	-	-	-	·14	·02	·05	15
16	1·25	-	-	·14	-	-	·32	-	-	·04	-	·03	16
17	-	-	-	-	-	-	·07	-	-	·42	-	·09	17
18	-	-	-	-	·37	-	-	-	·02	·01	·35	-	18
19	-	-	-	·15	·29	-	-	-	-	·30	·01	·01	19
20	-	-	-	·11	·43	-	·02	·16	-	·61	·16	·20	20
21	-	-	·12	·26	-	-	-	·28	-	1·35	·25	·30	21
22	·04	-	·05	·07	·02	-	·06	-	·56	·39	1·15	·35	22
23	-	·03	-	·09	·07	-	·02	-	·05	·18	·46	·35	23
24	·09	-	-	-	·01	·03	·07	-	·19	·05	·15	·01	24
25	-	-	-	·10	·02	·08	·23	-	·14	·88	·39	-	25
26	-	-	·18	·23	·07	-	·20	-	·08	·23	·25	-	26
27	-	-	·66	·59	·13	-	·33	-	-	·15	·26	·03	27
28	-	-	·77	·18	·21	·01	·38	·09	-	-	·02	·02	28
29	-	-	·78	·30	·18	·18	·11	·40	·22	1·20	·58	·66	29
30	·02	×	·18	·44	·03	1·25	·06	·03	·06	·54	·61	·04	30
31	-	×	·02	×	-	×	·50	-	×	·01	×	·47	31
TOTAL	9·67	·17	4·01	6·37	5·00	2·07	6·42	1·38	4·44	10·28	5·55	4·01	YEAR'S TOTAL 59·37
*Days with ·01 in. or more.	19	5	13	25	25	7	20	10	18	27	22	20	211
*Days with .04 in. or more.	18	2	11	24	17	5	18	7	16	24	16	14	172

40-9999 M

*See Instruction 2 (*f*) on other side,

(Signed) J. M. McKinnon Chief Engineer
City of Birmingham Water Dept.

P.T.O.

4219

Section A for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Birmingham W.W., Elan Village

in the County of Brecon

Diameter of Funnel of Gauge.......... in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·50	1·02	·12	-	-	·04	-	-	·04	·09	·17	1·03	1
2	1·11		·34	-	·19	·32	-	-	-	-	·03	-	2
3	·31	·40	·23	-	·10	-	-	-	-	-	·01	-	3
4	·78	·31	·03	-	·06	-	-	-	-	-	-	-	4
5	·23	·19	·73	-	·23	-	-	-	-	-	-	-	5
6		·51	·19	-	·40	-	-	-	-	·11	-	-	6
7	·86	·58	-	-	-	·07	·30	·02	-	1·20	-	·02	7
8	·44	·04	·09	-	·24	-	·55	-	-	-	-	-	8
9		·29	-	-	·14	·02	·53	·05	-	1·20	·14	-	9
10	·27	·05	-	-	-	·05	·49	·08	-	1·53	·14	-	10
11	·01		-	-	-	·21	·65	·02	-	·19	-	·01	11
12	·03		-	-	·01	-	·20	-	-	·06	-	·02	12
13			-	-	·07	·01	·18	-	-	·49	·25	-	13
14	·33		-	-	-	-	·18	·12	-	-	·31	-	14
15	·24		·19	-	-	·02	·10	·09	-	·15	·01	·04	15
16	·03	·01	·45	-	-	·14	-	·02	-	·54	-	-	16
17		·25	·40	-	-	·62	·14	·04	·07	-	-	-	17
18	·30		·20	-	-	·95	-	-	-	-	·05	-	18
19			·51	-	-	·03	-	·10	·17	·01	·45	-	19
20		·14	·10	-	·02	·79	-	·28	·25	-	-	-	20
21		·14	-	-	·06	·13	-	·22	-	·10	-	-	21
22		·02	-	·15	·01	·22	-	·22	·27	·05	·01	-	22
23		·82	-	·20	-	·27	-	-	·12	·19	-	-	23
24		·32	-	·13	·03	·82	-	-	·02	·20	-	-	24
25		·55	-	·06	·05	·11	-	-	·06	-	-	·12	25
26		·62	-	·07	·11	-	-	-	·05	·47	-	-	26
27		·18	-	-	·02	-	-	-	·04	·06	-	·13	27
28		·16	-	·32	-	-	·07	·20	-	·14	-	·02	28
29	·07	×	·06	-	·02	-	·04	-	-	·01	-	·03	29
30	·03	×	·13	·05	-	-	·11	-	·13	·17	-	·26	30
31	·73	×	·29	×	-	×	-	-	×	·38	×	-	31
TOTAL	6·27	6·60	4·04	0·98	1·76	4·82	3·54	1·46	1·22	7·34	1·57	1·68	YEAR'S TOTAL 41·28
*Days with ·01 in. or more.	17	20	16	7	17	18	13	13	11	21	11	10	174
*Days with ·04 in. or more.	13	18	15	7	11	14	13	10	10	19	7	5	142

40-9999

M

(Signed) J. Wilkinson

P.T.O.

*See Instruction 2 (*f*) on other side.

D

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4219

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 109

REGISTER OF RAINFALL IN 1934.

Kept at Birmingham W.W., Elan Village

in the County of Brecon

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·22	–	·02	–	–	–	–	·98	·12	·49	·86	·30	1
2	–	–	·14	–	–	–	–	·72	·27	·01	·34	·55	2
3	·07	–	·05	–	·28	–	–	·09	·17	·59	·05	·51	3
4	·25	–	·43	·26	·16	–	–	·12	·09	·49	·07	·75	4
5	·08	–	·21	·02	·25	·01	–	1·22	–	·05	·02	·12	5
6	·20	–	·04	·01	·96	·02	–	·24	·01	·29	–	·43	6
7	·45	–	–	–	–	–	–	·05	–	·11	·06	·89	7
8	–	–	–	–	·07	–	–	·01	·12	·08	·43	·83	8
9	·01	·05	·33	·01	–	–	–	·21	·05	–	·38	·28	9
10	·54	–	·36	·23	–	–	–	·41	–	·06	·03	–	10
11	1·17	–	·17	·70	–	–	·03	·49	–	–	–	·10	11
12	·05	–	·01	·05	–	–	·05	·19	–	–	–	·15	12
13	1·30	–	–	·26	–	–	–	–	–	·19	–	·09	13
14	·08	–	·95	·03	·03	·11	–	–	–	·42	·06	·76	14
15	·27	–	·95	·01	·43	–	·07	·01	·07	·36	·06	·55	15
16	·49	–	·58	·01	·06	–	–	–	·17	·04	·07	·06	16
17	·34	–	·57	·59	·18	–	·64	–	·28	·02	–	·56	17
18	·56	–	·07	·26	·01	·07	–	·05	·09	–	–	·61	18
19	·03	–	·31	–	·03	·21	–	·06	·28	·03	–	·70	19
20	–	–	–	·11	·04	·08	–	·02	·03	·05	·03	·03	20
21	–	–	·05	·04	·01	·10	·12	·09	·06	·32	–	·01	21
22	·02	–	·10	–	·08	–	–	·33	·45	·30	–	·33	22
23	–	–	·09	·43	–	·67	–	·01	·03	·04	·01	–	23
24	–	·37	·10	·11	–	·07	–	–	·11	·07	–	–	24
25	·49	·07	–	·22	·09	·06	–	–	·14	·75	–	1·20	25
26	·05	·01	·02	·19	–	·28	·28	–	·41	·03	·15	·15	26
27	–	–	–	·12	–	·57	·04	·03	·02	·15	–	·58	27
28	–	–	–	·45	–	·02	·22	·31	·20	·15	·08	·57	28
29	–	×	–	–	–	–	·62	·25	·30	·25	·04	·22	29
30	·01	×	–	–	–	–	·02	·44	·34	·22	–	·43	30
31	–	×	–	×	–	×	·17	·02	×	·12	×	·52	31
TOTAL	6·68	0·50	5·55	4·11	2·68	2·27	2·26	6·35	3·81	5·68	2·74	12·28	YEAR'S TOTAL 54·91
*Days with ·01 in. or more.	21	4	21	21	15	13	11	24	23	27	17	28	225
*Days with .04 in. or more.	17	3	18	15	11	10	9	18	19	23	13	26	182

40-9999

*See Instruction 2 (*f*) on other side.

M

(Signed) J. M. Wilkinson M. Inst. C.E. P.T.O.

Chief Engineer. City of Birmingham Water Dept.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4219

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Birmingham W.W., Elan Village

in the County of Brecon

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·13	·05	·19	·01	-	·08	·03	-	·83	·35	·05	·68		1
2	-	·06	·05	-	-	-	-	-	·16	·14	·13	·45		2
3	·04	·34	·10	·21	-	·08	·15	-	·06	·23	·29	·29		3
4	·01	-	·09	·21	-	·19	·04	-	·34	·25	·09	·19		4
5	·03	·62	·18	·22	-	·02	·08	-	·02	-	·08	·05		5
6	-	-	-	·44	-	·78	-	-	-	-	·12	·17		6
7	-	-	-	·40	-	·58	-	-	-	·40	-	·28		7
8	·02	-	-	·29	-	·04	-	-	-	·51	·25	·31		8
9	·07	-	-	·89	-	·21	-	-	-	1·06	·09	-		9
10	·03	·02	-	1·04	-	·10	-	-	-	·56	·11	-		10
11	·63	·24	-	-	-	·47	-	·05	-	·21	·74	-		11
12	·05	·20	-	-	-	·23	-	·10	·07	-	·23	-		12
13	·25	·15	-	·12	·07	·03	-	-	1·13	·10	·52	-		13
14	-	·03	-	·09	-	·06	-	-	·51	-	·92	·20		14
15	-	1·21	-	·61	·12	·04	-	·09	·13	·09	·46	·28		15
16	-	·42	-	·34	-	·02	·08	-	2·08	·33	·73	·53		16
17	-	-	-	·60	·76	·15	·08	·15	·35	·03	·31	-		17
18	-	·03	-	·51	·05	·10	-	·17	·94	·42	·09	-		18
19	-	·20	-	·05	·30	·49	·22	-	·18	·59	·26	-		19
20	-	1·09	-	·45	·23	·12	·08	-	·02	-	·77	-		20
21	-	1·21	-	·29	-	-	-	-	·21	·20	·11	-		21
22	-	·07	·14	·18	-	-	-	-	·30	·05	-	-		22
23	·05	·15	1·17	·45	-	-	-	·02	·21	·30	-	·08		23
24	·52	·86	·05	-	-	·06	-	-	1·28	·17	-	·41		24
25	·72	·14	·03	·06	-	·69	-	-	-	-	·02	·17		25
26	·02	·18	-	-	-	·01	-	·90	·31	·06	·12	·24		26
27	-	·13	-	-	·05	·02	·22	·05	·91	·94	·37	·02		27
28	·07	·06	-	-	·03	-	-	·24	·22	·68	·24	·02		28
29	-	X	-	-	-	-	-	·04	·26	·23	·56	·68		29
30	·02	X	-	·08	-	·15	-	·06	·58	·72	·93	·33		30
31	-	X	-	X	·38	X	-	-	X	·39	X	·30		31
TOTAL	2·66	7·46	2·00	7·54	1·99	4·72	0·98	1·87	11·10	9·01	8·59	5·68	Year's Total 63·60	
*Days with ·01 in. or more.	16	22	9	22	9	24	9	11	23	25	26	20	216	
*Days with .04 in. or more.	10	19	8	21	8	19	8	10	21	24	25	18	191	

† Spare column, no entries required.

(Signed) J. M. Wilkinson M.Inst.C.E.
Chief Engineer

40-9999

*See Instruction 2 (*f*) on other side.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4219

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 090.

REGISTER OF RAINFALL IN 1936.

Kept at Birmingham W.W., Elan Village

in the County of Breconshire

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.31	.24	.02	.39	-	.35	.06	.02	.03	-	.17	.77		1
2	.09	.07	-	.15	-	.31	.01	.05	.12	-	.03	.26		2
3	.02	.02	.04	-	-	.13	.01	.17	.43	-	.02	.13		3
4	.12	-	.16	-	-	.20	-	.10	.85	-	.81	.36		4
5	.58	.07	.29	-	.01	-	.05	.09	.25	-	.04	.78		5
6	.46	-	.01	-	-	.01	.22	.12	.11	-	.87	.03		6
7	.06	-	.17	-	-	-	.12	-	.97	-	.70	.05		7
8	.56	-	.23	-	-	-	.26	-	.14	-	1.07	.12		8
9	1.25	-	.01	-	-	.01	.98	-	.12	.03	.26	-		9
10	.14	.03	-	-	-	-	.12	-	-	-	.18	-		10
11	-	.17	-	.05	-	.12	.10	.04	.15	-	.96	.05		11
12	-	-	-	.02	.05	.14	.77	.03	.29	.02	.11	.36		12
13	-	-	-	.12	.03	.06	.05	-	-	.26	.02	2.40		13
14	-	-	-	.09	-	.16	.16	-	.25	.12	.19	.96		14
15	.02	.02	-	.09	.54	.02	.05	-	-	-	.42	.41		15
16	.10	.06	-	.18	.42	.02	.07	-	-	-	.57	.10		16
17	.31	1.09	-	.02	.13	.02	.83	.02	-	.40	.11	.08		17
18	-	.54	-	.02	-	-	1.12	.08	-	.54	-	.22		18
19	.56	.05	.12	.25	-	.29	.09	.07	-	.29	-	.01		19
20	.41	.30	.14	-	-	1.12	.02	.03	.01	.01	-	.06		20
21	.18	-	.03	.82	-	1.73	-	-	-	.02	-	.04		21
22	.10	.17	.64	.15	.12	.01	.40	-	-	-	-	.08		22
23	.04	.22	.21	.20	.01	.01	.36	-	-	.10	-	.01		23
24	.32	.01	-	.02	.05	-	.03	-	.17	.60	.01	-		24
25	.29	-	.08	1.10	-	-	.35	-	.38	.38	-	.01		25
26	.79	.11	.39	-	-	-	.05	-	-	.22	.03	-		26
27	.48	.18	.09	-	-	-	.06	-	.15	.35	-	-		27
28	.44	.09	.47	.01	-	.39	.23	-	-	.01	-	.13		28
29	.10	.13	.44	-	.01	.82	.18	-	-	.02	.05	.20		29
30	.06	✗	.01	-	.16	.13	.19	-	-	1.03	.06	.06		30
31	.63	✗	.22	✗	.34	✗	.15	-	✗	-	✗	.83		31
TOTAL	8.42	3.57	3.77	3.68	1.87	6.05	7.09	.82	4.42	4.40	6.68	9.11	Year's Total 59.88	✓
* Days with .01 in. or more.	26	19	20	17	12	21	29	12	16	17	21	26	236	
* Days with .04 in. or more.	24	15	15	12	8	14	25	8	14	11	16	22	184	

40-9999

† Spare column, no entries required.

(Signed) J. M. Wilkinson [P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4219

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Birmingham W.W., Elan Village

in the County of Brecon

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·20	·13	·01	·02	–	–	·12	–	·18	·15	·02	·18		1
2	·27	·52	·01	·09	–	–	–	–	·02	–	–	·81		2
3	·02	·58	–	–	·24	·08	·10	–	·05	–	–	·02		3
4	·42	·28	–	·06	·08	·05	–	·13	–	–	–	1·04		4
5	1·58	–	·10	·04	–	–	·08	–	–	–	–	·09		5
6	·83	·19	·33	·15	·13	·03	–	·01	·02	–	·03	–		6
7	–	·80	·07	·19	–	·10	–	–	·09	–	·02	–		7
8	–	·94	–	–	·11	·12	·08	–	·03	·05	·23	–		8
9	·02	·08	–	·19	·06	·03	·14	·01	·39	–	–	–		9
10	·13	·06	·17	·07	–	·07	–	–	·02	–	–	·48		10
11	·15	·02	·02	·03	·14	·46	·14	·04	–	–	–	·11		11
12	1·00	·27	·17	–	–	·22	·03	·03	·19	–	·03	·30		12
13	·31	·02	·12	·49	–	·15	–	·06	·24	–	–	·94		13
14	–	·07	·05	·08	–	–	–	·02	·12	–	·05	·12		14
15	·83	·38	·02	·37	–	–	·54	–	·31	–	·02	·35		15
16	·22	·53	·85	·64	–	–	·01	·22	·14	–	–	–		16
17	·46	·15	·59	·08	–	–	–	–	·52	–	·02	–		17
18	·67	·23	·40	–	–	·07	·19	·04	·17	–	·19	·16		18
19	·05	·31	·07	·20	·03	·13	·17	–	–	–	·15	·01		19
20	·48	·36	·16	·81	·01	·01	·13	–	–	–	–	·15		20
21	·50	·26	·03	·39	·15	–	·27	–	·02	·16	–	·07		21
22	·40	·10	·03	·04	·30	–	·79	–	–	·41	·37	·28		22
23	·17	·24	·03	–	·62	–	·02	–	–	·47	·37	·02		23
24	·55	·54	·27	–	·02	–	·05	–	·03	·45	–	·08		24
25	–	·53	–	–	–	–	·01	–	·04	·20	–	·03		25
26	–	·55	·11	–	·14	–	–	–	–	·06	–	·01		26
27	–	·88	–	·02	·01	–	–	–	–	·44	–	–		27
28	–	·45	–	–	–	·03	–	–	–	·05	–	·01		28
29	·01	×	–	–	–	·02	–	–	–	·80	·10	–		29
30	·36		–	–	–	·12	–	·44	·15	·08	·25	–		30
31	·34		–		–		–	·02		·48		–		31
TOTAL	9·97	8·87	4·21	3·96	2·04	1·69	2·87	1·02	2·73	3·80	1·85	4·66	Year's Total 47·67	
* Days with .01 in. or more.	24	27	21	19	14	16	17	11	19	13	14	21	216	
* Days with .04 in. or more.	21	25	15	16	10	11	13	6	13	13	8	15	166	

40-9999. note in 10 yr book

* See Instruction 2 (f) on other side.

when inspected August 1933) site overgrown — sheltered + cattle therefore possibly defective

† Spare column, no entries required.

(*Signed*) J. M. Wilkinson [P.T.O.

M.Inst.C.E.

COPY FOR OFFICIAL USE

Sec A for the entry of Daily Observations

Station No. 4219

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Birmingham W.W., Elan Village

in the County of Brecon

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·17	·02	-	-	1·15	-	·18	-	·33	·10	·40		1
2	-	·17	-	·33	·06	·34	·19	·01	-	·33	·08	·20		2
3	-	-	-	-	·07	·04	·25	-	·01	1·39	·02	·01		3
4	·03	-	·01	·01	-	-	·58	·53	-	·50	·19	·46		4
5	·02	·01	-	·02	-	·07	·10	·04	·10	·82	·02	·26		5
6	·32	·01	-	-	-	·60	·89	-	·18	·90	·01	·40		6
7	·44	-	-	-	-	-	·57	·49	·12	·43	-	·09		7
8	·27	·02	-	-	-	-	·23	·11	-	·90	-	·27		8
9	·49	·22	·03	-	-	·22	·12	·24	-	·03	-	·92		9
10	·21	-	·01	-	-	·08	·80	·14	-	·26	-	·51		10
11	·98	·12	-	-	-	·02	·01	·01	-	·14	·52	·35		11
12	·55	·02	-	-	·27	-	-	-	-	·48	2·04	·14		12
13	·03	-	-	-	·07	-	-	-	·02	·07	·23	·40		13
14	1·76	-	-	-	·27	-	·14	-	·06	-	·03	·01		14
15	·61	-	·04	-	1·30	-	-	·03	-	·01	·09	·72		15
16	·42	-	·03	-	·02	-	-	·07	-	·12	·16	·02		16
17	-	·04	-	-	-	-	·02	-	·16	·31	·01	·02		17
18	·25	-	-	-	-	·0$\overset{3}{2}$	-	·49	·06	·09	·71	-		18
19	·05	-	-	-	-	-	-	·18	·09	-	·43	-		19
20	·17	-	·12	-	-	-	-	·17	·04	-	·36	·01		20
21	-	-	·04	-	-	-	-	·24	·09	-	·21	·03		21
22	·02	-	-	·07	-	·14	-	·07	-	·03	·58	·01		22
23	·03	-	-	·07	·12	·14	-	·01	·05	-	·26	-		23
24	·21	·12	·33	·02	·10	·06	-	·20	·02	·03	·13	-		24
25	·20	·26	·04	-	·07	·02	·27	·21	-	·38	1·64	·05		25
26	·60	1·27	·26	-	·26	·43	·01	-	-	·49	·02	·01		26
27	·64	·43	·02	-	·88	·31	·86	·18	·20	·08	·58	-		27
28	·60	·45	·01	-	-	·76	·13	·08	·05	·01	·15	·01		28
29	·48	✕	·05	-	·83	·01	·16	-	·02	·09	·21	·40		29
30	·28	✕	-	-	·03	·34	·06	-	·27	-	·53	·30		30
31	·38	✕	-	✕	·40	✕	·02	·12	✕	·49	✕	·62		31
TOTAL	10·04	3·31	1·01	0·52	4·77	4·76	5·41	3·80	1·54	8·71	9·31	6·62	Year's Total 59·80 #	
* Days with .01 in. or more.	26	14	14	6	15	18	19	22	17	25	26	26	228 #	
* Days with .04 in. or more.	21	10	7	3	13	14	15	18	13	20	20	17	171 #	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. W. Wilkinson [P.T.O.

M.Inst.C.E.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4219

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Birmingham W.W., Elan Village

in the County of Breconshire

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM

VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	-	·75	·43	·04	-	·01	·13	-	·01	·04	·35		1
2	·03	-	·14	·01	-	-	-	·39	·26	-	·19	·10		2
3	·29	-	·25	·52	-	-	·01	·24	·01	-	·07	·80		3
4	·08	-	·48	·55	·48	-	·47	-	-	·37	·22	·75		4
5	-	-	-	·22	-	-	·26	-	-	·22	·70	·01		5
6	·76	·03	·13	-	-	-	1·08	·06	-	·01	·36	-		6
7	·09	·15	·09	-	-	-	·52	·14	-	-	·67	·49		7
8	·15	·75	·60	-	·07	-	·46	·07	-	·54	·99	·05		8
9	·16	·39	·01	-	-	-	·01	·55	·15	·22	·06	·45		9
10	1·15	·01	·01	-	-	·03	-	·12	·28	·73	·01	·83		10
11	·11	·15	·15	-	-	-	-	·01	[illegible]	·13	-	·02		11
12	·27	·15	-	·15	-	·05	-	-	·22	·04	·01	-		12
13	-	·08	-	·53	·09	·01	·46	-	·04	·01	·05	-		13
14	1·34	-	-	·18	·20	·17	·10	-	·05	·08	·47	-		14
15	·66	·06	·02	·28	·11	·63	·23	-	[illegible]	·01	·21	-		15
16	·54	-	·04	·06	·16	·13	·13	-	-	-	·85	-		16
17	·86	·20	-	·07	·01	·31	·03	-	-	·05	·18	-		17
18	·38	·20	·01	-	-	·11	·41	-	-	·01	1·11	-		18
19	·23	·01	·01	-	-	-	·20	·14	-	-	·02	-		19
20	·32	·01	·01	-	·01	-	·13	·29	-	-	-	·01		20
21	·16	·59	·58	·21	·07	·15	·41	1·38	·03	-	-	-		21
22	·77	1·37	·47	·18	·02	·20	·12	-	-	-	1·07	-		22
23	·35	·59	·02	·41	-	·03	·34	-	-	·39	·48	-		23
24	·22	·09	·03	·05	-	·13	·06	-	-	·22	·02	-		24
25	·52	·26	·03	·02	-	·02	·15	-	-	·17	2·35	·02		25
26	·02	·16	-	·05	-	-	-	·22	-	·10	·78	·01		26
27	-	·68	·05	-	-	·28	·15	·34	-	-	·30	·02		27
28	·01	·75	·03	·04	-	·35	·88	·07	-	-	·50	·03		28
29	-	X	-	·12	-	·05	1·60	-	-	·07	1·10	-		29
30	-	✕	-	·06	-	·10	·21	·01	-	·02	·10	·18		30
31	-	✕	-	✕	-	✕	·05	·09	✕	·14	✕	·01		31
TOTAL	9·52	6·68	3·91	4·14	1·26	2·75	8·48	4·25	1·04	3·54	12·91	4·13	Year's Total 62·61	✓
* Days with .01 in. or more.	25	21	22	20	11	17	26	17	8	21	27	17	232	✓
* Days with .04 in. or more.	22	17	12	18	8	13	22	15	6	15	23	9	180	✓ ✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. W. Wilkinson

aaB

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4219

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

Kept at Birmingham W.W., Elan Village

in the County of Brecon

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.

VALUES FOR

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	·17	·10	–	–	–	–	–	·71	·01		1
2	–	·04	–	·18	·01	–	·08	–	–	–	2·75	·11		2
3	–	·55	–	·12	–	–	·10	–	–	·07	·76	·11		3
4	–	·12	–	·07	–	–	·03	–	–	·12	·34	·16		4
5	–	·03	–	–	·11	–	·08	–	·02	1·11	·87	·41		5
6	·18	·48	–	–	–	–	·05	–	–	·67	·09	·41		6
7	·03	·41	–	·03	·03	–	·09	–	·15	·49	–	·22		7
8	·01	–	–	–	–	–	·13	–	·01	·69	·08	·48		8
9	–	–	–	·04	–	–	·86	·15	·20	·43	1·25	·59		9
10	–	–	·06	–	–	–	·08	·14	·17	·17	·15	·62		10
11	–	·01	·07	·04	–	–	1·73	–	–	·01	1·78	·33		11
12	–	–	·29	–	–	·03	·45	·01	·44	–	·63	·01		12
13	–	·01	·21	–	–	–	·42	·09	·17	–	·12	·24		13
14	–	·04	·04	·27	–	–	·45	·04	·12	·52	·15	·78		14
15	–	–	·13	·12	·93	·04	·03	–	·08	·34	·46	·10		15
16	·02	·67	·25	·01	·02	–	·24	–	·94	·21	·61	·04		16
17	·01	·01	·26	–	–	–	·30	–	·12	·01	·16	·03		17
18	·38	·69	·88	·34	–	–	·02	·11	·24	–	·04	·34		18
19	·01	·15	·26	·24	–	–	·39	–	·03	·01	·26	·02		19
20	–	·01	·02	·25	–	–	·65	·28	–	·22	·10	–		20
21	–	–	·04	·03	·17	·23	·06	·02	–	·01	1·84	–		21
22	–	·01	·08	·12	·03	·41	·01	·05	·10	–	·02	–		22
23	–	·10	·10	·13	·14	·02	·04	–	·14	–	·06	–		23
24	·04	·01	·04	·02	·05	·02	·04	·01	–	–	·01	–		24
25	·09	–	–	·08	·34	–	–	–	–	–	–	·01		25
26	1·46	·46	–	·01	·24	·01	·11	·11	·01	–	·09	–		26
27	1·08	·60	–	·25	·04	–	·16	–	–	–	·17	·01		27
28	·35	·12	–	·10	·23	–	–	·04	–	–	·03	·02		28
29	·03	–	·43	·09	–	·08	·05	–	–	·03	–	·64		29
30	–	✕	·05	·82	·02	–	–	–	–	·51	–	·16		30
31	·13	✕	·45	✕	·08	✕	–	–	✕	1·30	✕	·07		31
TOTAL	3·82	4·52	3·76	3·63	2·54	0·84	6·65	1·05	2·94	6·92	13·53	5·92	Year's Total 56·12	✓
* Days with .01 in. or more.	14	20	18	23	16	8	26	12	16	19	26	25	223	✓
* Days with .04 in. or more.	8	13	17	18	11	4	22	9	12	14	23	18	169	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) A.A. Barnes

of CHIEF ENGINEER

[P.T.O.

4220

Section **A** for the entry of D

AIR MINISTRY.

No 4220

GLASBURY-ON-WYE
RADNOR
1931 - 1940

780803

COPY FOR OFFICIAL USE.

NFALL ORGANIZATION.

FORM 1090.

REGIST 931.

Kept at GLASBURY-ON-WYE

in the County of RADNOR

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea Leve

THE MORNING MEASURE DAY.

An observer who does not conform to this January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·01	·02		·04					·47				1
2	·05	·04		·40		·01			·42	·06	·24	·27	2
3	·08						·04	·07	·06		2·09	·03	3
4							·46	·42			·34	·07	4
5				·03	·16	·71	·38	·02	·01			·29	5
6		·15		·19	·04	·03	·21		·01	·37	·28	·10	6
7							·20	·16		·05			7
8		·12		·07	·01	·05		·58		·02	·19	·06	8
9		·14				·07				·01	·71		9
10		·13			·02	·03	·02		·01		·79		10
11					·01	·03	·19		·08	·01	·27		11
12	·09	·38					·08		·01	·06	·03		12
13	·01	·21			·06	·02	·11	·05	·02	·03			13
14		·19	·09		·06	1·17	·21	·66	·02		·21		14
15		·19		·05	·02			·32	·08				15
16	·08	·15			·13	·76	·12	·32	·14				16
17	·01	·08	·02	·11	·34		·14	·28			·05		17
18				·15		·64	·01	·09		·01	·37		18
19	·07	·06		·05		·38		·64	·03	·01	·04		19
20	·03		·06		·20			·04	·02				20
21	·42												21
22	·18	·02		·05	·10						·39	·11	22
23	·12			·51	·21	·15	·12				·09		23
24	·14	·05		·27	·19	·01	·09				·02		24
25	·28	·02		·39			·12		Trace		·01		25
26				·09			·13				·69		26
27		·25	·06	·02	·97		·04			·05	·20		27
28	·02	·41	·12	·12	·32					·07		·20	28
29	·12				·16		·42			·02	·08		29
30	·12	×		·01	·01				·04			·07	30
31	·12	×		×	·08	×			×		×		31
TOTAL	1·95	2·61	·35	2·55	3·09	3·96	3·09	3·65	1·42	·77	7·00	1·20	YEAR'S TOTAL 31·64
*Days with ·01 in. or more.	18	18	5	17	19	14	19	13	15	13	20	9	180
*Days with ·04 in. or more.	14	16	4	14	14	8	17	12	7	6	17	8	136

40-9999

(Signed) D W. Lloyd

[P.T.O.

*See Instruction 2 (*f*) on other side.

4220

Section **A** for the entry of I

AIR MINISTRY. ...NFALL ORGANIZATION.

COPY FOR OFFICIAL USE.

FORM 1090.

REGISTER OF RAINFALL IN 1931 .

Kept at GLASBURY-ON-WYE

in the County of RADNOR

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 276 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·01	·02		·04					·47				1
2	·05	·04		·40		·01			·42	·06	·24	·27	2
3	·08						·04	·07	·06		2·09	·03	3
4							·46	·42			·34	·07	4
5				·03	·16	·71	·38	·02	·01			·29	5
6		·15		·19	·04	·03	·21		·01	·37	·28	·10	6
7							·20	·16		·05			7
8		·12		·07	·01	·05		·58		·02	·19	·06	8
9		·14				·07				·01	·71		9
10		·13			·02	·03	·02		·01		·79		10
11					·01	·03	·19		·08	·01	·27		11
12	·09	·38					·08		·01	·06	·03		12
13	·01	·21			·06	·02	·11	·05	·02	·03			13
14		·19	·09		·06	1·17	·21	·66	·02		·21		14
15		·19		·05	·02			·32	·08				15
16	·08	·15			·13	·76	·12	·32	·14				16
17	·01	·08	·02	·11	·34		·14	·28			·05		17
18				·15		·54	·01	·09		·01	·37		18
19	·07	·06		·05		·38		·64	·03	·01	·04		19
20	·03		·06		·20			·04	·02				20
21	·42												21
22	·18	·02		·05	·10						·39	·11	22
23	·12			·51	·21	·15	·12				·69		23
24	·14	·05		·27	·19	·01	·09				·02		24
25	·28	·02		·39			·12		Trace		·01		25
26				·09			·13				·69		26
27		·25	·06	·02	·97		·04			·05	·20		27
28	·02	·41	·12	·12	·32					·07		·20	28
29	·12				·16		·42			·02	·08		29
30	·12	×		·01	·01				·04			·07	30
31	·12	×		×	·08	×			×		×		31
TOTAL	1·95	2·61	·35	2·55	3·09	3·96	3·09	3·65	1·42	·77	7·00	1·20	YEAR'S TOTAL 31·64
*Days with ·01 in. or more.	18	18	5	17	17	14	19	13	15	13	20	9	180
*Days with ·04 in. or more.	14	15	4	14	14	8	17	12	7	6	17	8	136

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) D. W. Lloyd

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4220

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Glasbury-on-Wye

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 276 ft.

Allocate Aug & Sep

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·24	·01	—	·10	1·11	—	·11	·19	Please see end of August (·25)	—	·05	—	1
2	—	—	—	·05	·15	—	—	—		·02	·05	·18	2
3	—	·03	—	·57	—	—	—	—		—	·01	·14	3
4	·02	—	—	·74	·02	—	—	—		—	·62	·02	4
5	·35	—	·15	—	—	—	—	—		—	—	—	5
6	·91	—	·02	·19	—	—	·04	—	·45	—	—	—	6
7	·02	—	·09	·08	·10	—	·01	—	·25	1·49	·02	—	7
8	·07	—	·20	·02	·09	—	—	—	—	·27	·02	·01	8
9	·98	·08	—	·05	·04	—	—	—	·01	·03	·01	—	9
10	·78	—	—	·14	—	·03	—	—	·18	·47	—	—	10
11	·13	—	—	—	·02	·03	·01	—	—	·03	·01	·07	11
12	·42	—	—	—	·21	—	·01	—	·17	·33	·01	·01	12
13	·07	—	—	·25	·01	—	·68	·37	—	—	·09	·15	13
14	·24	·03	—	·15	·02	—	·05	·04	—	—	·07	·01	14
15	—	—	—	·07	·25	—	—	—	—	—	—	·02	15
16	·38	—	—	·53	[illegible]	—	·44	—	—	·04	—	·01	16
17	—	—	—	—	—	—	·02	—	·02	·05	—	—	17
18	—	—	—	—	·08	—	—	—	·01	·03	·26	—	18
19	—	—	—	—	·25	—	—	·02	—	·16	—	—	19
20	—	—	—	·22	·88	—	—	·15	—	·81	—	·05	20
21	—	—	·15	·26	·01	—	·02	·03	—	·67	·02	—	21
22	·07	—	—	·06	·12	—	·12	—	·61	·42	·30	·05	22
23	·02	·05	·05	—	·15	—	—	—	·03	·20	·05	·10	23
24	—	—	—	—	·17	—	·12	—	—	·06	·05	—	24
25	—	—	—	·01	—	·01	·03	—	—	·30	·04	—	25
26	—	·01	·10	·07	·09	—	—	—	·19	·15	·02	—	26
27	—	—	·54	·01	·66	—	·29	Total from Aug. 27 to Sept. 5th inclusive was ·75" (·50)	—	·04	·08	—	27
28	—	—	·23	·02	·20	—	·08		·02	·02	—	·02	28
29	—		·41	·07	·25	·12	·04		·31	·68	·21	·31	29
30	—	×	·26	·29	·02	·43	·29		—	·10	—	—	30
31	·01	×	·15	×	·03	×	·04		×	·01	×	·48	31
TOTAL	4·71	·21	2·35	3·95	4·82	·62	2·40	1·30 ~~·80~~ ~~1·75~~	2·50 ~~2·25~~	6·38	1·99	1·63	YEAR'S TOTAL 32·86
*Days with ·01 in. or more.	16	6	12	22	24	5	18	9	15	23	20	15	185
*Days with .04 in. or more.	12	2	11	18	17	2	12	7	10	17	12	9	129

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) D. W. Lloyd

P.T.O.

№ 4220

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. ~~4220~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

leave

Feb 23-27

Cf 4209
4208

Kept at Glasbury-on-Wye

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 276 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·32	·08	·05	·05		·01				·15				1
2	·48		·16		·25	·11								2
3	·08	·19	·06		·04						·01			3
4	·20	·07	·20		·05									4
5	·31	·05	·18		·07									5
6		·06			·06		·07			·21				6
7		·07			·01					·44				7
8	·15		·04		·04	·06	·55			·02				8
9					·04	·02	·48			1·31				9
10	·10						·18	·09		1·93				10
11						·13	·10	·06						11
12							·18		·03			·03		12
13					·11	·03	·15	·06			·21			13
14						·01	·10	·06			·02			14
15	·30	·08	·03				·01			·10	·05			15
16		·03	·51				·02				·01			16
17		·29	·20			·15	·01		·02					17
18	·13		·05			·49	·01				·05			18
19			·37			·09		·08	·38		·22	·03		19
20		·04	·06			·30		·02	·49	·01				20
21					·10	·37		·08		·05	·01			21
22					·16	·03		·13		·01	·01			22
23				·01		·17			·40	·16	·01			23
24		1·40		·01		1·10			·03					24
25		·03	SNOW	·29		·75						·08		25
26		·02		·01	·50				·57			·01		26
27		·04		·07	·01							·54		27
28				·01		·01	·05		·02			·05		28
29	·04		·05	·34			·02					·02		29
30	·03	×	·10						·17					30
31	·59	×		×		×			×		×			31
TOTAL	2·73	2·45	2·26	·79	1·44	3·83	1·93	·58	2·11	4·39	·60	1·18	Year's Total 24·29	
*Days with ·01 in. or more.	12	14	14	8	12	17	14	8	9	11	10	7	136	
*Days with ·04 in. or more.	11	11	13	4	10	11	9	7	5	9	4	3	97	

40-9999

*See Instruction 2 (*f*) on other side.

D

† Spare column, no entries required.

(*Signed*) D W Lloyd

[P.T.O.

4220

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. ~~4320~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Glasbury-on-Wye

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 276 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1			.01					.15	.07	.07	.25	.34		1
2								.11	.18	.03		.26		2
3			.07					.19	.33	.19		.32		3
4		.01	.17		.23				.15	.08	.05	.30		4
5			.15		.23	.01		.30	.01	.02	.11	.26		5
6	.04		.03		.65	.01		.06		.16		.41		6
7	.11	.01			.03			.04		.04		.39		7
8		.01			.21				.06		.27	.54		8
9	.01							.03			.71	.30		9
10	.20	.04	.12	.37				.03			.19			10
11	.82		.10	.40			.14	.13				.23		11
12	.10			.17			.29				.08	.05		12
13	.63			.18								.05		13
14	.12		.35	.03		.03				.31	.27	.08		14
15			.15	.03	.22		.01		.02	.34	.26	.18		15
16	.15		~~.51~~		.01				.31		.18			16
17	.24		.51	.09	.06							.18		17
18	.22		.11	.32		.02						.33		18
19						.05	.24	.03	.27			.30		19
20			.01	.03		.05	.10	.09				.01		20
21	.03		.06					.11		.19		.02		21
22	.04			.06				.14	.35	.15		.40		22
23			.12	.21		.50		.11	.06					23
24				.06		.08			.05	.03				24
25	.55	.24		.06	.05	.03			.09	.31		.36		25
26		.02	.02	.36					.12	.04		.14		26
27				.03		.14			.02	.05		.19		27
28	.03			.46		.09		.14	.17	.01	.04	.20		28
29								.06		.02		.05		29
30	.02	×						.07	.16			.22		30
31	.01	×		×		×	.23		×	.25	×	.05		31
													Year's Total	
TOTAL	3.32	.33	1.98	2.86	1.69	1.01	1.01	1.79	2.42	2.29	2.41	6.16	27.27	
*Days with ·01 in. or more.	17	6	15	16	9	11	6	17	17	18	11	27	170	
*Days with .04 in. or more.	12	2	11	12	6	6	5	14	14	13	11	25	131	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) D W Lloyd

[P.T.O.

COPY FOR OFFICIAL ~~USE~~.

Section **A** for the entry of Daily Observations.

Station No. 4220

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Glasbury-on-Wye
in the County of Radnorshire
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level 276 ft.

acc
✓ [illegible]

Query sent 18/4 ssw
Reply rec'd – correction made. HJ 1/5/36

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1			·10			·02	x ·10		·38	·25	x	·21		1
2			·01	·03		·02			·14	·10	x ·34	·05		2
3		·03	·03	·01					·05	x ·24	·30	·05		3
4	·04		·10	·10		·15			·04	x		·58		4
5	·04	·26	·05	·09		·17			·09		·06	·02		5
6	·01		·03	·20		·44					·07	·17		6
7				·30		·27				·23	✓	·16		7
8				·30		·07				·13	x ·07			8
9	·07	·02		·54		·18				·75	x			9
10	·06					·05					x			10
11	·22	·06			·02			·03		·01	x ·55			11
12	·03	·05				·07		·08		·01	·49			12
13	·08	·04		·44					·18	·02	·22			13
14		·04		·02		x			·35		1·34	x ·27		14
15		·34		·25	·11	x		·02	·05		x	x		15
16		·03	·06	·35		x ·47	·05		·78	·02	x	·31		16
17				·14	·04	·18	·02		x	·11	x ·66			17
18				·33		·10	x ·05		x		·02	·01		18
19		·02		·04	·28	·18	x ·37		x ·79	·25	·11			19
20		x ·49		·23	·68	·04	x ·05		x		·72			20
21		x ·27		·10	·01				x	·04	·17			21
22		·08	·06	·07					·10		·03			22
23	·05	·25	·35						x ·66			·13		23
24	·05	·27	·05	·04		·01		·05	x	·15		x ·16		24
25	·37	·07		·24		·95				·01	·01	x ·13		25
26		·28						·42	·13		·04	·27		26
27		·17			·04			·11	·01	·03	·08	·08		27
28	·05	·09			·09				x ·30	·01	·01	✓		28
29		x						·15	x	·04	·29	x ·25		29
30	·02	x		·12		·16		·36	·06	·40	·60	x		30
31		x		x	·04	x			x	·45	x	x ·25		31 "d"
TOTAL	1·09	~~2·10~~ 2·86	·84	3·94	1·31	3·53	~~·07~~ ·64	1·22	4·11	3·25	6·18	~~2·84~~ 3·10	Year's Total. ~~30·45~~	32·07 ✓
* Days with .01 in. or more.	13	~~17~~ 19	10	21	9	20 ~~18~~	6 ~~2~~	8	22	~~20~~ 21	27	20	(196)	
* Days with .04 in. or more.	10	~~13~~ 15	7	18	7	17 ~~15~~	5 ~~1~~	6	21	~~13~~ 14	22	17	(159)	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) D. W. Lloyd

[P.T.O.

COPY FOR OFFICIAL USE

Station No. 4220

Section **A** for the entry of Daily Observations

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Kept at Glasbury-on-Wye

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 276 ft.

Query sent today. 1/5/37

Red ink figures were ommited by observer originally. GR

Red ink figures in brackets were estimated by observer from a neighbouring stations.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1				·24		·16	·21	·05	·01		·03	·07		1
2	·19	·07		·05		·31	·12				·03	·02		2
3	·08		·01			·32	·15	·02	·66		·05	·01		3
4	·03		·07						·26		·49	·21		4
5			·12				·09		·05		·03			5
6	·98		·02		·01	·04	·28	·12	·02		·44	·21		6
7	(·04)						·40		·11		·27			7
8	(·44)		·21				·12		·02		·65			8
9	(·64)		·11			·03	·83		·17	·04	·03			9
10	(·11)	·04				·02	·14	·02			·01			10
11		·05		·02		·15	·01		(·05)		·54			11
12	·01			·04	·24	·08	·55		(·25)		·03	·23		12
13				·03	·01	·06	·07			·07	·02	·92		13
14				·19		·05	·04	·01	·12		·04	·48		14
15				·01	·56		·04	·01	·01		·21	·13		15
16		·03		·02	·20				·03	·09		·06		16
17	·18	·84		·08	·14		·24					·36		17
18		·31					·31	·04		·33		·11		18
19	·44	·08	·02	·14		·26		·03		·01				19
20		·14	·15	·06		·65			·10					20
21	·01		·05	·93		·06								21
22		·39	·28	·01	·29	·01	·26							22
23	·06	·08	·30	·05	·23		·05			·06				23
24	·12	·03		·03			·19		·20	·41				24
25	·10		·52	·54		·02	·41		·29	·15	·03			25
26	·21	·08	·72				·04			·13				26
27	·10		·04				·24		·06	·09				27
28		·04	·22							·02	·03	·20		28
29		·09	·04		·04	·65						·20		29
30	·04	✕	·06		·23	·02	·14			·83	·05			30
31	·51	✕	·19	✕	·08	✕			✕		✕	(·28)		31
TOTAL	~~3·06~~ 4·29	~~1·04~~ 2·27	3·13	~~2·15~~ 2·44	2·03	2·90	4·93	·30	~~2·11~~ 2·41	2·23	2·98	~~3·21~~ 3·49	Year's Total ~~30·07~~	✓ 33·40 ✓
* Days with .01 in. or more.	19 ~~15~~	14 ~~11~~	18	~~14~~ 16	11	17	23	8	~~15~~ 17	12	18	~~14~~ 15	~~176~~	✓ 188
* Days with .04 in. or more.	16 ~~12~~	12 ~~9~~	15	~~8~~ 10	9	12	22	3	~~10~~ 12	10	9	13 ~~12~~	~~131~~	✓ 143

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) D. W. Lloyd

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4220

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

~~B.A.~~ Circ D sent 26.3.38.

Kept at Glasbury-on-Wye.
in the County of Radnorshire.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
" Ground " Sea Level 276 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.13	.07	.	.10					.05	.21	.11	.76		1
2	.07	.38		.10					.05			.45		2
3		.33		.10	.05		.03				.01	.		3
4	.10	.03			.09			.09				.53		4
5	.51		.09	.07			.04					.08		5
6	.28	.08	.11	.18	.05					.05	.02			6
7		.61	.12	.13										7
8		.11	.01		.08	.34			.11	.03	.29			8
9		.04		.05	.06				.35					9
10			.64	.09			.01					.40		10
11	.02	.02	.36	.04	.30	.07	.15					.06		11
12	.19	.04	.04			.03		.72	.06			.15		12
13	.18	.09	.03	.27		.25		.17	.03			.42		13
14				.08			.21					.01		14
15	.16	.23	.03	.48			2.05		.29			.17		15
16	.11	.13	.51	.05				.22	.05					16
17	.41	.11	.25						.51		.10			17
18	.27	.08	.26				.06		.54		.20	.13		18
19	.17	.03	.28	.08		.12	.32		.04		.07			19
20	.74	.28	.32	.43								.03		20
21	.31	.32	.15	.01			.18			.16	.01			21
22	.10	.03	.22		.13		.17			.52	.22			22
23	.09	.05			.08		.20			.06	.18	.02		23
24	.48	.54	.09				.02			.62				24
25	.01	.63			.05				.05	.21		.04		25
26		.73	.04		.19									26
27		.61		.04						.73				27
28	.02	..10				.04				.14		.02		28
29	.04					.04				.98	.05			29
30	.23	✕					.	.10		.07	.24			30
31	.20	✕		✕		✕			✕	.38	✕			31 34·11
TOTAL	4.82	5.~~39~~ 67	3.55	2.30	1.08	.89	3.44	1.30	2.13	4.16	1.~~6~~0 5	~~2.87~~ 3.27	Year's Total ~~33.81~~	✓
* Days with .01 in. or more.	23	25	18	17	10	7	12	5	12	13	12	15	169	✓
* Days with .04 in. or more.	20	21	15	16	10	6	9	5	11	12	9	10	144	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) D W Lloyd

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4220

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

Form 1090

REGISTER OF RAINFALL IN 1938

Kept at Glasbury-on-Wye

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 276 ft.

Acc

Days

~~WD~~

wrg

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·11		·07				✗		·68 ✗	·03	·28		1
2	—	·08			·22 ✗	·59		✗		✗	·02	·02		2
3	—				✗	·02	·20	—		·75	·02			3
4	·13 —				·13	·03	·20	✗		·35		·20		4
5	—					·16	·14	✗ 1·69	·12 ✗	·18				5
6	✗	·04	·01			✗	·63	—	✗	·14		·25		6
7	·11						·27		✗	·10		·02		7
8	·22	·02					·06	·35	—	·38		·05		8
9	·45	·02				·09	·01		—			✗ ·93		9
10	·12	·02				·02	·19	·28	— ·03			✗		10
11	·51					·01	·01	✗	—	·02	·26	✗		11
12	·27				·16	·06		—	—		·93	✓		12
13	·10							—	—	·61	·13	✗		13
14	·49						✗	—	✓			·92 ✓		14
15	·24				·05		✓	—			·01	✗		15
16	·33							✗		·25	·09	—		16
17		·06						—	✗	·03	·02	—		17
18	·09					·05		✗	—		·42	—		18
19	·01							✗	·19 ✓		~~·31 or~~ ·41	—		19
20	·07							✓ 1·59	✓		✗	—		20
21	·02							✗	✗		✗ ·45	✓		21
22				·09				✗	—		·35	✓		22
23							✓	—	✓		·05	—		23
24	·08	✓	·07		·15		—	✗	·06			— ·45		24
25	·08	✗	·01		·11	·01	✗	✗		·33	·66	✗		25
26	·23	✗				·14	—	—	·06	·23		✓		26
27	·08	✗ ·44			·62	·12	✗	✗	·21	·08	·34	—		27
28	·30	·01			·04	·16	—	✗			·15	✓		28
29	·26				·19		—	—	·01		✗	✗		29
30	·27	✕			·05		—	—	✗	·11	✗ ·53	✗		30
31	·21	✕		✕	·38	✕	—		✕	·23	✕	✗		31
Total	4·67	·80	·09	·16	2·10	1·49	1·71	3·91	·68	4·47	[illegible] or 4·87	3·12	Year's Total [illegible] or 28·07	
* Days with .01 in. or more.	23	12	3	2	12	13	14	17	14	17	20	21	168	
* Days with .04 in. or more.	21	8	1	2	12	8	10	16	9	15	15	13	130	

† Spare column, no entries required.

(*Signed*) D W Lloyd

* See Instruction 3 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4220

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Glasbury-on-Wye

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 276 ft.

E.R. ~~B.A.~~

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·02		·29	·30	·16			·05			·05	·02		1
2			·01	·02			·04	·16	·23	·03	·09	·04		2
3	·05		·08	·23				·07	·10		·02	·60		3
4			·13	·56	·08		·22	·02		·24	·19	·28		4
5			·02	·27			·37	·01		·10	·34	·02		5
6	·38		·02				·74	·01			·21			6
7	·03	·08	·05				·44	·08	·72		·21	·38		7
8		·20	·26		·09		·58	·11		·54	·63	·05		8
9	·02	·35						·57		·31	·05	·14		9
10	·24		·03					·06	·03	·40	·01	·07		10
11	·03	·07	·10							·02		·01		11
12	·11	·13				·01			·01	·01	·01			12
13				·48	·04	·01	·19		·04	·32				13
14	·54			·03	·02	·06			·04	·08	·29	·01		14
15	·63			·04	·01	·65	·38			·03	·23			15
16	·26			·04	·13		·13			·06	·44			16
17	·28	·12				·11				·01	·04			17
18	·10	·05				·14	·19		·06		·61			18
19	·23	·01	·06				·21	·01						19
20	·24						·40	·15				·08		20
21	·02	·23	·20	·03		·07	·97		·02		·01			21
22	·37	·50	·20	·03		·49			·01	·07	·50			22
23	·07	·04		·04		·06	·49			·10	·54			23
24	·14	·01		·02		·05	·01			·04	·03			24
25	·57	·08					·18			·11	·92			25
26	·03	·03	·02	·05				·12		·02	·38			26
27		·57	·04			·05	·05	·03			·15	·02		27
28	·14	·38	·10	·04		·04	·53				·31			28
29				·19		·21	·39			·15	·05			29
30		✕		·20		·18	·03			·09	·03	·17		30
31		✕		✕		✕	·26	·29	✕	·48	✕			31
TOTAL	4·50	2·85	1·61	2·57	·53	2·13	6·80	1·74	1·26	3·21	6·34	1·89	Year's Total 35·43	
* Days with .01 in. or more.	22	16	16	17	7	14	21	15	10	21	26	14	199	
* Days with .04 in. or more.	16	13	11	12	5	12	19	10	6	15	20	9	148	

† Spare column, no entries required.

(*Signed*) D W Lloyd [P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4220

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at GLASBURY-ON-WYE

in the County of RADNORSHIRE

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 276 ft.

Mar 31 - Apr. 1st adjusted
Apr. 1-3rd est'd.
July 12th "
Sept 12th "
Oct 9-10th "
" 16th "
Nov. 3rd part est'd.
8th est'd

4/46 - ref. ann. clin. Obsr not informed.

B.A. Day

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1		·02		·15							·44			1
2				(·20)			·01				1·42	·05		2
3										·10	(1·18) ~~·78~~	·03		3
4		·49		·01			·01				·24	·05		4
5					·10		·02			·34	·41	·15		5
6	·28	·22								·30	·02	·35		6
7	·01	·23		·02	·01		·07		✓	·09		·34		7
8										·27	(·50)	·15		8
9							·75	x	x		·47	·20		9
10			·03				·25	x	✓	(·50)	·02	·27		10
11				·01			·40		·06		1·09			11
12			·24			·06	(·50)	✓	(·30)		·16			12
13		·04	·32					✓	·13	·02		·27		13
14		·05	·01	·17	·04		·30	✓		·45		·34		14
15				·04	1·22	·13	·01		·18	·04	·26			15
16		·39	·13	·02			·14		·13	(·50)				16
17		·13	·40				·30		·04		·50			17
18	·15	·21	·47	·76						·03				18
19		·04	·18	·20			·40		·34					19
20				·03			·05			·11	·16			20
21		·02	·01		·32	·44					1·23			21
22			·07	·25	·03				·05					22
23			·09	·04	·06									23
24					·01		·13	✓						24
25	·07	·04		·05	·04		~~·23~~							25
26	·96	·10		·02	·14		·23							26
27	·69	·24			·02	·01								27
28	·22	·17		·02	·17						·14	·15		28
29	·01		·09	·20		·06	·22					·22		29
30	·01	✕		·33						·44		·01		30
31	·02	✕	·15	✕		✕			✕	·78	✕			31
TOTAL	2·42	2·39	2·19 ~~2·04~~	2·37 ~~2·32~~	2·16	·70	3·79 ~~3·29~~	·27	(1·23) ~~·93~~	(3·97) ~~2·97~~	(8·34) ~~8·74~~	2·58	Year's Total ~~28·81~~	(32·31) 'd'
* Days with .01 in. or more.	10	15	12	17	12	5	16	(8)	10	12	15	14	146	
* Days with .04 in. or more.	6	13	9	10	8	4	12	(3)	6	10	13	12	106	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) D W Lloyd [P.T.O.

4220/5

Section **A** for the entry o
AIR MINISTR

OPY FOR OFFICIAL USE.
ORGANIZATION.

FORM 1090.

REGIS

Kept at LLANSTEPHAN-
in the County of RAD

Radnor

Diameter of Funnel of Gauge
Height of top of Gauge above Grou
,, Ground ,, Sea

THE MORNING MEAS

An observer who does not conform t
year in the space on the right of t

llowing

Jan. 1, following

4220/5
LLANSTEPHAN HSE.
1931 — 40

7P0803

Date	Jan.	Feb.	March								Nov.	Dec.	*Date*
	in.	in.	in.								in.	in.	
1										·04			1
2	·07			·08				·03	·57	·04	·05		2
3	·10			·59			·06	·04	·14	·02	2·79	·47	3
4					·27		·43	·24	·03		·42	·11	4
5				·10		·68	·08	·02				·56	5
6		·18		·12	·07	·03	·04			·37	·15	·09	6
7		·09			·03		·06	·59		·08	·10	·11	7
8				·05				·29		·03	·08		8
9		·41		·03		·12			·03	03	·69	·03	9
10		·07			·09	·08	·04		·03		1·03		10
11	·11	·46				·07	·07		·08		·35		11
12						·09	·32		·03	·14	·04		12
13		·34			·15		·09	·06	·02				13
14	·01	·05			·09	1·05	·19	·67	·10		·39		14
15		·18		·12	·07		·08	·56	·09			·02	15
16	·14	·07		·16	·08	·72		·33	·04				16
17		·32		·33	·38	·11	·17	·21	·05		·03		17
18	·12			·05		·31	·05	·36			·43		18
19	·02	·03	·02	·12		·55	·03	·35			·05		19
20		·05	·09					·15			·10	·02	20
21	·62				·31			·05			·14		21
22	·22	·02			·03						·02		22
23	·30			·68	·41	·09	·19						23
24		·03		·20	·15		·32				·29		24
25	·45	·06		·70	·10		·05				·09		25
26		·02		·10			·18				·62		26
27	·08	·54	·10	·04	·84		·10			·07	·18	·03	27
28	·29	·21	·19	·05	·28					·04		·18	28
29			·09		·09		·38			·05	·11		29
30	·50	×							·10				30
31		×		×	·24	×			×		×	·07	31
TOTAL	3·03	3·13	0·49	3·52	3·68	3·90	2·93	3·95	1·31	0·91	8·15	1·69	YEAR'S TOTAL 36·69
*Days with ·01 in. or more.	~~2~~ 14	~~4~~ 18	× 5	× 17	~~2~~ 18	12	20	~~2~~ 15	~~5~~ 13	~~3~~ 11	~~2~~ 22	~~4~~ 11	176 ~~26~~
*Days with ·04 in. or more.	12	14	4	16	16	12	20	13	8	8	20	7	150

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) E. Philipps

[P.T.O.

4220/5

Section **A** for the entry o OPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Radnor/1

Recd. IX/32

Kept at LLANSTEPHAN. HOUSE. GARDENS

in the County of RADNORSHIRE

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft 15 in.

,, Ground ,, Sea Level 440 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1										.04			1
2	.07			.08				.03	.57	.04	.05		2
3	.10			.59			.06	.04	.14	.02	2.79	.47	3
4					.27		.43	.24	.03		.42	.11	4
5				.10		.68	.08	.02				.56	5
6		.18		.12	.07	.03	.04			.37	.15	.09	6
7		.09			.03		.06	.59		.08	.10	.11	7
8				.05				.29		.03	.08		8
9		.41		.03		.12			.03	03	.69	.03	9
10		.07			.09	.08	.04		.03		1.03		10
11	.11	.46				.07	.07		.08		.35		11
12						.09	.32		.03	.14	.04		12
13		.34			.15		.09	.06	.02				13
14	.01	.05			.09	1.05	.19	.67	.10		.39		14
15		.18		.12	.07		.08	.56	.09			.02	15
16	.14	.07		.16	.08	.72		.33	.04				16
17		.32		.33	.38	.11	.17	.21	.05		.03		17
18	.12			.05		.31	.05	.36			.43		18
19	.02	.03	.02	.12		.55	.03	.35			.05		19
20		.05	.09					.15			.10	.02	20
21	.62				.31			.05			.14		21
22	.22	.02			.03						.02		22
23	.30			.68	.41	.09	.19						23
24		.03		.20	.15		.32				.29		24
25	.45	.06		.70	.10		.05				.09		25
26		.02		.10			.18				.62		26
27	.08	.54	.10	.04	.84		.10			.07	.18	.03	27
28	.29	.21	.19	.05	.28					.04		.18	28
29			.09		.09		.38			.05	.11		29
30	.50	×							.10				30
31		×		×	.24	×			×		×	.07	31
TOTAL	3.03	3.13	0.49	3.52	3.68	3.90	2.93	3.95	1.31	0.91	8.15	1.69	YEAR'S TOTAL 36.69
*Days with ·01 in. or more.	~~2~~ 14	~~4~~ 18	x 5	x 17	~~2~~ 18	12	20	~~3~~ 15	~~5~~ 13	~~3~~ 11	~~2~~ 22	~~4~~ 11	176 ~~26~~
*Days with ·04 in. or more.	12	14	4	16	16	12	20	13	8	8	20	7	150

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) E. Philipps

[P.T.O.

X LLYSWEN (LLANSTEPHAN HO. GONE) X

204 974/32

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Radnor/1

Kept at LLANSTEPHAN HOUSE GARDENS

in the County of ~~BRECONSHIRE~~ Radnor

1931 Late [illegible]

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 3 in.

,, Ground ,, Sea Level 440' ft.

days

OK print

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0.27			0.28	1.29		0.08	0.11		0.03	0.03	0.02	1
2	0.14			0.10	0.19				0.04	0.01	0.09	0.43	2
3	0.05	0.03		0.38	0.02		0.09		0.17	0.04		0.12	3
4	0.05			0.92			0.22					0.01	4
5	0.85		0.18						0.09		0.72		5
6	0.73		0.03	0.28			0.05		0.55				6
7	0.06		0.08	0.04	0.07		0.01		0.11	1.35			7
8				0.02					0.24	0.08			8
9	0.75			0.15	0.03								9
10	1.10			0.17					0.16	0.51			10
11	0.22			0.10	0.07				0.03	0.04	0.01	0.02	11
12	0.59			0.04	0.26				0.16	0.20	0.01		12
13	0.06			0.19	0.04		0.52	0.21	0.02	0.17	0.03	0.18	13
14	0.19			0.16	0.05			0.08		0.04	0.07		14
15	0.03			0.02	0.20		0.03					0.03	15
16	0.58			0.47			0.81			0.09			16
17					0.03		0.02						17
18					0.08				0.02	0.14	0.25	0.01	18
19				0.03	0.19					0.87	0.02		19
20				0.36	0.98			0.03		0.80		0.09	20
21			0.35	0.21	0.07			0.67		0.18	0.05	0.14	21
22			0.03	0.06	0.19		0.09		0.33	0.69	0.41	0.15	22
23					0.13				0.12	0.20	0.07	0.07	23
24	0.03				0.04		0.19		0.09	0.03	0.11		24
25	0.04						0.03		0.04	0.41	0.08		25
26				0.03			0.19		0.14	0.19	0.11		26
27			0.71	0.10	0.57		0.19			0.08	0.23		27
28			0.23		0.20		0.11	0.04			0.03	0.02	28
29			0.68	0.22	0.38	0.27	0.02	0.28	0.25	0.75	0.14	0.32	29
30		×	0.25	0.40		0.58	0.33	0.04	0.12	0.12	0.55	0.02	30
31		×	0.02	×		×	0.32		×	0.01	×	0.37	31
TOTAL	5.74	0.03	2.56	4.43	5.08	0.85	3.30	1.46	2.68	6.03	3.01	2.00	YEAR'S TOTAL 37.17
*Days with ·01 in. or more.	2 17	1	3 10	4 23	3 21	2	5 18	1 8	3 18	4 24	6 19	7 16	~~39~~ 177
*Days with .04 in. or more.	15		7	19	18	2	13	7	15	20	13	9	138

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) ~~Mr J.~~ Hazeltine

LADY PHILLIPS

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at LLANSTEPHAN·HOUSE·GARDENS

in the County of BRECONSHIRE

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.44	0.37	0.03			0.01			0.01	0.07	0.03			1
2	0.52		0.20		0.12	0.21			0.01		0.03			2
3	0.15	0.25	0.14		0.09									3
4	0.20	0.15	0.06		0.06									4
5	0.27	0.03	0.49		0.03									5
6		0.12	0.13		0.09					0.09				6
7	0.05	0.13	0.01				0.02			0.74				7
8	0.15	0.02	0.05		0.03		1.10			0.02				8
9		0.05			0.04		0.63			1.78	0.05			9
10	0.07	0.15				0.06	0.08	0.08		2.39	0.02			10
11						0.24	0.18	0.02		0.03				11
12				0.01	0.01		0.07							12
13					0.10	0.01	0.29	0.06		0.23	0.22			13
14	0.09						0.15	0.06		0.35	0.08			14
15	0.48		0.07				0.85	0.03		0.08	0.01			15
16			0.53			0.06	0.05			0.36				16
17		0.22	0.46			0.24	0.03	0.02	0.02	0.01	0.03			17
18	0.15		0.08			0.56		0.01			0.03			18
19			0.45			0.12	0.06	0.02	0.33		0.25			19
20		0.03	0.07			0.21			0.61		0.02			20
21					0.17	0.20		0.12		0.19				21
22					0.19	0.02		0.13	0.21	0.02				22
23				0.15		0.29			0.23	0.10				23
24				0.10	0.01	1.10			0.02	0.23				24
25		0.47		0.14		0.20			0.13			0.20		25
26		1.00		0.09	0.26				0.40	0.15				26
27		0.09			0.15				0.01	0.05		0.25		27
28		0.13		0.23			0.02					0.09		28
29	0.03		0.03	0.07			0.02			0.02				29
30	0.05	×	0.14	0.02			0.04		0.29	0.01		0.18		30
31	0.58	×	0.07	×		×	0.01	0.09	×	0.17	×			31
TOTAL	3.23	3.21	3.01	0.81	1.35	3.56	3.60	0.59	2.27	7.09	0.77	0.72	Year's Total 30.21	
*Days with ·01 in. or more.	14	15	17	8	14	15	16	11	12	21	11	4	158	
*Days with .04 in. or more.	13	13	14	6	10	12	11	5	7	15	4	4	114	

40-9999

*See Instruction 2 (*f*) on other side.

D

† Spare column, no entries required.

(*Signed*) T. HAZELDINE.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 193~~3~~4

Kept at LLANSTEPHAN HOUSE GARDENS

in the County of BRECONSHIRE

Diameter of Funnel of Gauge.......in.

Height of top of Gauge above Ground.......ft.......in.

,, Ground ,, Sea Level.......ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.12							0.31	00.5	00.2	0.36	0.45		1
2	00.1		00.8					00.7	0.21	0.11	0.02	0.17		2
3			00.7					00.2		0.33	00.5	0.20		3
4	0.14		0.25	0.13	0.23			0.14	0.32	0.25	0.12	0.50		4
5			0.14	00.1	0.19			0.81		00.3		0.35		5
6	00.2		00.4		0.79	00.3		00.7		0.20		0.45		6
7	0.14	00.2			0.17			00.2		00.4		0.65		7
8									00.1	00.3	0.40	0.56		8
9			0.22					00.2	0.11		0.54	0.45		9
10			0.10	0.21				0.12			0.18			10
11	0.98		00.7	0.52			0.04	0.16				0.25		11
12	00.9		00.2	00.9			0.17	0.10		00.3		00.8		12
13	1.03			0.23		00.2	00.2			0.25		00.2		13
14	00.7		0.46	00.4						00.3	0.14	00.8		14
15	00.3		0.27		0.25					0.77	0.19	0.45		15
16	0.22		0.45		00.2				0.18	00.3	0.17			16
17	0.18		0.21	0.35	0.13		0.11		0.12	00.1		0.37		17
18	0.58			0.33	00.1	0.12	00.1		0.14			0.40		18
19			00.9		00.1	00.1			00.6			0.45		19
20				00.2	00.2	0.12					00.1	00.2		20
21					00.2		0.12	0.12	0.30	0.34	00.2			21
22	00.2		00.9	00.1	00.1	0.38		0.36		0.18		0.43		22
23			00.2	0.30		0.06		00.2		00.2				23
24		0.22	00.5	0.12		0.01			0.17	00.2				24
25	0.59	00.2		0.10	00.2	0.19			00.4	0.44		0.65		25
26	00.9			0.29		00.3	00.2		0.15	00.5	00.1	0.30		26
27				0.12		00.2		00.1	003	00.6		0.26		27
28				0.31			00.2	0.19	0.13	00.4	00.6	0.20		28
29							0.12	00.4	0.12	00.7	00.2	0.55		29
30	00.4	✕					00.2		0.30	00.1		0.38		30
31		✕		✕		✕	00.5		✕	00.7	✕	0.10		31
TOTAL	3.35	0.26	2.63	3.18	1.87	0.99	0.70	2.58	2.44	3.43	2.29	8.77	Year's Total. 32.49	
* Days with .01 in. or more.	17 ~~5~~	3 ~~2~~	7 ~~2~~	7 ~~3~~	13 ~~4~~	11 ~~6~~	11 ~~5~~	7 ~~5~~	7 ~~2~~	25 ~~10~~	15 ~~5~~	26 ~~2~~	~~54~~	189
* Days with .04 in. or more.	12	1	15	14	6	5	6	12	15	15	10	24	~~135~~	135

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) T. HAZELDINE.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at LLANSTEPHAN. HOUSE. GARDENS

in the County of RADNOR

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

days

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1									0.20	0.10	00.5	0.45		1
2						0.13			00.9	0.37	0.34	00.5		2
3		00.6	00.2						00.1	0.10	0.20			3
4	0.10		00.5			00.2	00.2		00.2	0.15	0.10	0.43		4
5		0.33	00.6	0.25		0.18			0.10		0.13	0.22		5
6			00.2	0.48		0.52						0.17		6
7	00.8			0.33		0.38					0.11	0.18		7
8	00.6			0.35		00.5				0.20	0.22	0.13		8
9	0.30	00.1		1.00		0.23				0.80	0.47	0.10		9
10				0.51		00.5				00.8	0.40			10
11	0.35	00.3				0.24					0.42			11
12	00.5			0.20		0.12		0.11	00.2		0.30			12
13	00.5			00.4	00.3	00.8			00.8	00.3	0.56			13
14				0.60		00.5			0.23		1.55	0.20		14
15		0.45		0.55		0.17			0.25	00.2	0.13	0.17		15
16		0.10		0.11		0.17	00.2	00.3	0.80	0.20	0.45	0.40		16
17				0.33	0.23	0.20		00.5	0.23		0.14			17
18		00.5		00.8		00.8	00.3		0.47	0.15				18
19		0.55		0.10	0.25	0.16	0.45		00.5	0.22	0.67			19
20		0.50		00.7	0.62	00.4			00.2		0.15			20
21		0.56		00.8					0.35	00.7				21
22		0.25		00.7					00.7	00.8				22
23	00.4	0.23	0.58						00.9	0.20				23
24	00.8	0.48		00.5		1.20			1.04	0.35		0.23		24
25	0.50	00.4	00.2	0.21							00.4	0.28		25
26		0.12						0.48		00.3	0.13	00.8		26
27		0.20			00.3			00.2	0.16		0.10			27
28	0.0.3	0.11						0.31	0.24	0.18	0.24	00.2		28
29								00.2	0.15	0.33	0.15	0.31		29
30		×		0.40		00.6		0.27	0.33	0.32	0.77	0.10		30
31		×		×		×			×	0.45	×	0.32	"D"	31
TOTAL	1.64	4.07	0.75	4.81	1.16	4.13	0.52	1.29	5.00	4.43	7.82	3.84	Year's Total. 39.46	
* Days with .01 in. or more.	1 11	2 17	3 6	20	2 5	1 20	3 4	3 8	4 22	3 21	24	1 18	25	176
* Days with .04 in. or more.	10	15	3	20	3	19	1	5	18	18	24	17	153	

40-9999

† Spare column, no entries required.

(Signed) J. Hazeldine

* See Instruction 2 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

Form 1090

REGISTER OF RAINFALL IN 1936

Kept at LLANSTEPHAN HOUSE GARDENS

in the County of RADNOR

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1				0.48		0.13	0.25	0.05			0.03	0.10		1
2	0.10	0.10		0.03		0.31	0.23	0.03	0.02			0.05		2
3	0.06					0.02	0.11		1.25		0.08	0.22		3
4	0.10		0.10		0.03	0.25	0.07		0.40		0.63	0.21		4
5	0.08		0.09				0.07	0.04	0.38		0.52	0.21		5
6	1.00		0.03			0.05	0.15		0.02		0.25	0.05		6
7	0.10		0.04				0.72	0.15	0.28		1.20	0.03		7
8	0.45		0.10			0.03	0.10				0.07			8
9	0.70		0.32				0.85		0.25	0.02	0.03			9
10	0.15					0.13	0.64				0.90			10
11		0.15		0.03		0.12	0.05	0.03	0.04		0.10			11
12		0.32		0.03	0.15	0.08	0.50		0.18	0.02		0.25		12
13						0.12	0.15			0.07	0.31	1.10		13
14				0.23			0.13		0.08		0.15	0.70		14
15				0.05	0.50		0.03	0.10	0.07		0.04	0.15		15
16		0.04		0.09	0.25		0.04							16
17	0.32	0.43		0.10	0.15		0.25			0.15	0.07	0.70		17
18		0.34				0.05	0.54			0.38	0.03	0.15		18
19	0.53	0.10	0.10	0.20		0.35	0.03	0.10						19
20			0.20	0.03					0.08					20
21	0.03	0.35	0.05	0.83		1.23								21
22	0.02	0.05	0.42		0.30	0.10	0.23					0.10		22
23	0.25	0.02	0.40	0.08	0.35		0.40			0.03				23
24	0.27		0.30	0.04	0.07		0.09		0.10	0.50				24
25	0.18	0.16	0.42	0.58			0.29		0.40	0.25				25
26	0.10	0.05	0.40			0.16	0.03		0.03	0.27	0.07			26
27	0.35	0.12	0.30				0.07		0.11	0.30				27
28	0.05	0.08	0.42			1.10	0.30					0.25		28
29	0.10	0.05	0.10		0.03	1.10	0.05				0.05	0.23		29
30		×	0.30		0.25	0.20				0.85	0.03	0.52		30
31	0.50	×	0.26	×	0.12	×	0.10		×	0.04	×			31
TOTAL	5.44	2.36	4.35	2.80	2.20	5.53	6.47	0.50	3.69	2.88	4.56	5.02	Year's Total 45.80	✓ ✓
* Days with .01 in. or more.	~~2~~ 20	~~1~~ 15	~~1~~ 19	~~4~~ 14	~~2~~ 11	~~8~~ 18	~~3~~ 28	~~2~~ 7	~~8~~ 16	~~3~~ 12	~~4~~ 18	~~1~~ 17	~~28~~	195 ✓
* Days with .04 in. or more.	18	14	18	10	9	16	25	5	13	9	14	16	167	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. Hazeldine [P.T.O.

Head Gardener

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at LLANSTEPHAN. HOUSE. GARDENS

in the County of RADNORSHIRE

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	0.20	0.12	00.5											1
2	0.15	0.50		0.10					00.8	0.25	0.10	0.60		2
3	00.2	0.60		00.8	00.9							0.52		3
4	0.17	0.14		00.4	0.10			0.15						4
5	0.80	0.30	0.25	00.7			00.7					0.40		5
6	0.62		00.8	0.15	00.2							0.20		6
7		0.50	0.10	0.20		00.5					00.5			7
8		00.8		0.21	0.13	0.40	00.3		0.50		0.34			8
9		00.2		00.7	00.4		00.8							9
10	00.7	00.6	0.25	00.5								0.65		10
11	00.3		1.11		0.17	00.7	0.20					00.2		11
12	0.66	0.22	0.15	00.7		00.8		0.35	00.8			00.5		12
13	0.20	00.6		0.20		00.8		0.25						13
14		00.2	00.9	00.3					0.24			0.30		14
15	0.19	0.25		0.25			2.25	0.15	0.25					15
16	0.15	0.28	0.45	0.28				0.10	0.18					16
17	0.43	00.9	0.50						0.85					17
18	0.80	00.2	0.30			00.6	0.45		0.70		0.25	0.10		18
19	0.45	0.15	00.9	0.15		0.10			00.8		00.7			19
20	0.85	0.20	0.56	0.35								0.15		20
21	0.50	0.40	00.9	00.3	00.3		0.13					00.5		21
22	0.38	00.5	0.20		0.25		00.5			0.48	0.17			22
23	00.8		00.8		0.28					0.10	0.28			23
24	0.36	0.14	0.12							0.30				24
25		1.30			003		00.3		00.6	0.22		00.5		25
26		1.35	003		0.27									26
27		0.40				00.7				0.48				27
28		0.55				0.10				0.20				28
29	0.10					00.2				1.50	00.3			29
30	0.35	✕						00.9		00.3	0.15			30
31	0.20	✕		✕		✕			✕	0.45	✕			31
TOTAL	7.76	7.80	4.50	2.33	1.41	1.03	3.29	1.09	3.02	4.01	1.44	3.09	Year's Total 40.77	✓
* Days with .01 in. or more.	~~2~~ 23	~~8~~ 25	~~4~~ 16	~~2~~ 17	~~3~~ 11	~~4~~ 10	~~2~~ 9	~~0~~ 6	~~0~~ 10	~~1~~ 10	~~1~~ 9	~~4~~ 12	~~17~~	160 ✓
* Days with .04 in. or more.	21	22	17	15	8	9	7	6	9 10	9	8	11	~~142~~	143 ✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) I. Hazeldine ....

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at LLANSTEPHAN HOUSE GARDENS

in the County of ~~BRECON~~ RADNOR,

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Day w.J.7.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1			0.25			1.03	0.02	0.30		0.22	0.03	0.05		1
2		0.25				0.03	0.08			0.18	0.05			2
3						0.05	0.18		0.05	1.02	0.02	0.70		3
4						0.02	0.23	0.58	0.03	0.60				4
5						0.28	0.04		0.05	0.07		0.25		5
6	0.20						0.65	0.12	0.15	0.23		0.06		6
7	0.13						0.26	0.02	0.40	0.50		0.12		7
8	0.34						0.05	0.30				0.15		8
9	0.40	0.05				0.10	0.23					0.65		9
10	0.34					0.05	0.02	0.22			0.28	0.32		10
11	0.57				0.21	0.03		0.10			0.05	0.20		11
12	0.48				0.21	0.02				0.38	1.05	0.22		12
13	0.05				0.10					0.05	0.65	0.19		13
14	1.00				0.09		0.07			0.07	0.03	0.07		14
15	0.55				0.17			0.02				0.38		15
16	0.44				0.04			0.02		0.02	0.03			16
17		0.10							0.10	0.25				17
18	0.15					0.16		0.25	0.05		0.50			18
19								0.10			0.65			19
20	0.10							0.07	0.02		0.30			20
21				0.03				0.03	0.08		0.15			21
22				0.05		0.02		0.14	0.02		0.50			22
23	0.26							0.05	0.07		0.14			23
24	0.25	0.07	0.07		0.17		0.02	0.15			0.15			24
25	0.30	0.20	0.02		0.12		0.19	0.60		0.55	0.80			25
26	0.20	0.55			0.25	0.07			0.15	0.15				26
27	0.10	0.10			0.53	0.30	0.20	0.25	0.06	0.25	0.37			27
28	0.37	0.20			0.05	0.30	0.02	0.10			0.25	0.10		28
29	0.32				0.45	0.08	0.04		0.02	0.10	0.20	0.20		29
30	0.06	✕			0.15				0.28		0.80	0.37		30
31	0.30	✕		✕	0.50	✕			✕	0.35	✕			31
TOTAL	6.91	1.52	0.34	0.08	3.04	2.54	2.30	3.42	1.48	5.99	7.00	4.03	Year's Total 38.65	✓
* Days with .01 in. or more.	22	8	3	2	14	15	16	19	15	17	21	16	~~20~~	~~168~~ 168 ✓
* Days with .04 in. or more.	22	8	2	1	14	10	12	15	11	16	17	16	144	✓

* See Instruction 3 (f) on other side.

X Lady Philipps X

† Spare column, no entries required.

(Signed) I. Hazeldine

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1939.

Kept at LLANSTEPHAN HOUSE GARDENS.

in the County of RADNORSHIRE

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.02		0.40	0.30	0.13			0.20						1
2			0.10				0.03	0.43	0.10	005	0.10	0.13		2
3				0.50	0.07			0.09	0.20		0.05	0.10		3
4			0.40	0.50			0.35			0.18	0.15	0.50		4
5				0.30			0.55	0.02		0.15	0.05	0.45		5
6	0.50		0.12				0.80	0.09			0.35	0.10		6
7	0.25	0.15	0.40				0.50	0.02		0.07	0.55	0.40		7
8	0.20	0.10	0.08		0.18		0.48	0.25		0.60	0.50	0.40		8
9	0.05	0 75	0.02					0.05	0.05	0.10	0.25	0.15		9
10	0.70							0.50	0.03	0.72				10
11		0.10	0.12							0.10				11
12	0.15	0.15		0.05		0.08				0.05	0.04			12
13				0.47	0.08	0.05	0.18		0.12	0.17	0.03			13
14	0.85			0.02	0.09	0.75	0.40			0.05	0.39			14
15	0.52		0.03	0.13			0.80		0.05		0.26			15
16	0.30	0.15		0.04	0.14		0.21				0.40			16
17	0.50	0.08				0.29	0.03				0.06			17
18	0.33		0.03			0.13	0.60				0.65			18
19	028						0.25	0.02			0.05			19
20	0.40	0.19	0.38	0.07			0.40	0.22				0.04		20
21	0.07	0.50	0.09			0.47	0.80							21
22	0.45	0.12	0.19	0.05		0.09	0.10			0.02	0.40			22
23	0.03	0.08		0.07		0.14	0.40			0.05	0.70			23
24	0.45	0.09	0.02			0.25	0.18			0.12				24
25	0.50	0.18				0.27	0.25	0.02		0.08	1.25			25
26		0.05		0.07		0.15		0.17		0.12	0.55			26
27		0.75	0.09			0.09	0.10	0.02			0.26			27
28	0.12	0.45	0.12	0.07		0.14	0.60				0.40			28
29				0.35		0.40	0.55			0.10	0.10			29
30		×		0.16		0.10	0.02			0.06	0.03	0.10		30
31		×		×		×	0.10	0.27	×	0.20	×			31
													Year's Total.	
TOTAL	6.67	3.89	2.59	3.05	0.69	3.40	8.68	2.38	0.55	2.99	7.57	2.37	44.83	
* Days with .01 in. or more.	20	16	16	16	6	15	24	15	6	19	24	10		187
* Days with .04 in. or more.	18	16	12	15	6	15	21	10	5	18	22	10	168	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) T. Hazeldine

P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4220/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 193 40

Kept at LLANSTEPHAN · HOUSE · GARDENS
in the County of RADNORSHIRE
Diameter of Funnel of Gauge..................in.
Height of top of Gauge above Ground.........ft..........in.
,, Ground ,, Sea Level ....ft.

Days

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1				0.28	0.30						1.18			1
2				0.13							1.81			2
3		0.47									1.56			3
4		0.15		0.03						0.10	0.30	0.20		4
5					0.10		0.18			0.20	0.30			5
6	0.25	0.52								0.60	0.02	0.30		6
7	0.05			0.02					0.09	0.24		0.25		7
8					0.16		0.02			0.75	0.40	0.20		8
9							0.05	0.10			0.50	0.19		9
10			0.02				1.11	0.05			0.25	0.20		10
11							0.25				1.25	0.10		11
12			0.25			0.13	0.90		0.20		0.25			12
13			0.32				0.05		0.08			0.26		13
14		0.15	0.10	0.03					0.10	0.14	0.10	0.33		14
15				0.19	1.30	0.15	0.09		0.08	0.08	0.30	0.47		15
16		0.30	0.19				0.07			0.62	0.60	0.24		16
17		0.40	0.55	0.05			0.05		0.05	0.02	0.04			17
18			0.85	0.05			0.10		0.70		0.02			18
19			0.10				0.20	0.10			0.20			19
20			0.15	0.85			0.21		0.04	0.14				20
21			0.05	0.25	0.22						1.77			21
22			0.10	0.08	0.07	0.56			0.08		0.06			22
23		0.16	0.15		0.10				0.10		0.10			23
24			0.01	0.10	0.20		0.05				0.08			24
25				0.07	0.10			0.01	0.02					25
26	1.47	0.25		0.10			0.40	0.02			0.10			26
27	0.85	0.38		0.09			0.05							27
28	0.35	0.10		0.08	0.08		0.12					0.02		28
29			0.11	0.20			0.02			0.40				29
30		✕		0.40	0.02				0.05	0.40		0.51		30
31		✕	0.28	✕		✕			✕	0.68	✕			31
													Year's Total	
TOTAL	2.97	2.88	3.23	3.00	2.65	0.84	3.92	0.28	1.59	4.37	11.19	3.27	40.19	
* Days with .01 in. or more.	~~5~~ ~~5~~	~~10~~	~~2~~ ~~15~~	~~3~~ ~~18~~	~~1~~ ~~11~~	~~3~~	~~2~~ ~~18~~	~~2~~ ~~5~~	~~12~~	~~13~~	~~22~~	~~13~~	~~15~~	~~145~~
* Days with .04 in. or more.	5	10	13	15	10	3	16	3	11	12	20	12	130	

† Spare column, no entries required.

(*Signed*) T. Hazeldene

* See Instruction 3 (f) on other side.

[P.T.O.

4220/7

ERWOOD STATION

1939-40

Section **A** for the
AIR M

Station No. 4220/7
NFALL ORGANIZATION

FORM 1090

R 939

Kept at Erwoo

in the County of Ra

est'd by refce to nearby stns.

Diameter of Funnel of Ga

/35 Wye

Height of top of Gauge a

„ Ground „

THE MORNING M No 39 & 38 780803 OUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following —

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1											·01	·05		1
2		780803							— +	—	·80	·30		2
3									(·30) +	—	·05	·60		3
4									·05	·30	·10	·10		4
5									—	·30	·40	·20		5
6									—	—	·10	·10		6
7									—	—	·80	·20		7
8									—	·40	·60	·05		8
9									— ✓	·20	—	·30		9
10									(·154)	·50	—	·40		10
11									—	~~·20~~	—	—		11
12									(— ·42)	·10	·01	—		12
13									—	·05	·05	—		13
14									—	·01	·30	—		14
15									—	—	·60	—		15
16									—	—	·20	—		16
17									—	—	·20	—		17
18									—	—	·60	—		18
19									—	—	—	—		19
20									—	—	—	—		20
21									—	—	—	—		21
22									—	—	·70	—		22
23									—	·10	·60	—		23
24									—	·10	—	—		24
25									—	·30	1·85 ·40	—		25
26									—	·10	·40	—		26
27									—	—	·20	→		27
28									—	—	·20	→		28
29									—	·10	·20	—		29
30		✕							·01	—	·10	·20		30
31		✕		✕		✕			✕	·30	✕	—		31
													Year's Total	
TOTAL									(·66)	2·86	7·62	2·50	--	
* Days with .01 in. or more.									~~8~~ (7)	14	23	11	~~39~~	
* Days with .04 in. or more.									~~4~~ (5)	13	21	11	~~46~~	

× per Wye Catchment Board

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) W W Evans W. W. Evans for G. W. R.

P.T.O.

Section **A** for the entry of Daily Observations

Station No. 4230/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Erwood Station

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1' ft. 0" in.

" Ground " Sea Level 407 ~~410~~ ft.

Sept 2-3rd, 9-10th, 12th est'd by refce to nearby stns.

~~BB~~

F 467239/35 Wye

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following —

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1											·01	·05		1
2		780803							— x	—	·80	·30		2
3									(·30) x	—	·05	·60		3
4									·05	·30	·10	·10		4
5									—	·30	·40	·20		5
6									—	—	·10	·10		6
7									—	—	·80	·20		7
8									—	·40	·60	·05		8
9									— ✓	·20	—	·30		9
10									(·18)	·50	—	·40		10
11									—	~~20~~	—	—		11
12									(·12)	·10	·01	—		12
13									—	·05	·05	—		13
14									—	·01	·30	—		14
15									—	—	[illegible]	—		15
16									—	—	·20	—		16
17									—	—	·20	—		17
18									—	—	·60	—		18
19									—	—	—	—		19
20									—	—	—	—		20
21									—	—	—	—		21
22									—	—	·70	—		22
23									—	·10	·60	—		23
24									—	·10	—	—		24
25									—	·30	1·85 ·40	—		25
26									—	·10	·40	—		26
27									—	—	·20	→		27
28									—	—	·20	→		28
29									—	·10	·20	—		29
30		✕							·01	—	·10	·20		30
31		✕		✕		✕			✕	·30	✕	—		31
TOTAL									(·66)	2·86	7·62	2·50	Year's Total --	
* Days with .01 in. or more.									~~8~~ (7)	14	23	11	~~39~~	
* Days with .04 in. or more.									~~x~~ (5)	13	21	11	~~46~~	

x per Wye Catchment Board

† Spare column, no entries required.

W. W. Evans

(*Signed*) W W Evans for G. W. R.

* See Instruction 3 (f) on other side.

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4220/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~33~~40

Kept at Erwood STATION

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 407 ft.

Jan 26 corrd from monthly card

rp. map 1939

Feb 3 apportioned from nearby stns

467239/35

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	-	-	.10	.10	-	-	-	-	-	.80	-		1
2	-	-	-	.05	-	-	.05	-	-	-	2.05	.10		2
3	-	~~[illegible]~~ .30	-	.05	-	-	-	-	-	.10	1.50	.01		3
4	-	.10	-	-	-	-	.05	-	-	.20	.50	.10		4
5	-	-	-	-	-	-	.05	-	-	.20	.20	.10		5
6	.30	.40	-	-	-	-	-	-	-	.70	.05	.50		6
7	-	.50	-	.05	.20	-	.10	-	.05	-	.05	-		7
8	-	-	-	-	-	-	-	-	.01	.30	.40	.25		8
9	-	-	-	-	-	-	.70	.05	.05	.60	.55	.40		9
10	-	-	-	-	-	-	.20	.05	.01	-	.05	.30		10
11	-	-	-	.01	-	.01	.70	-	.01	-	1.30	.10		11
12	-	-	-	-	-	-	.30	-	.10	-	.20	-		12
13	-	-	.50	.01	-	-	.01	-	.20	.05	-	-		13
14	-	-	.20	.20	-	-	-	-	.10	.40	.10	1.05		14
15	-	-	-	-	1.00	.20	-	-	.10	.10	.10	.05		15
16	-	.50	.10	-	-	-	.10	-	.05	.50	.60	.10		16
17	-	.20	.40	.20	-	-	.05	-	.05	.05	.05	-		17
18	.30	-	.90	.55	-	-	-	-	.20	-	.01	.15		18
19	-	.50	.15	.05	-	-	.30	-	-	-	.20	.01		19
20	-	-	.05	.20	-	-	.20	.20	.01	-	.05	-		20
21	-	-	.10	.05	.20	.50	-	-	.05	-	1.45	-		21
22	-	-	.10	.05	-	.05	-	-	.10	-	-	-		22
23	-	.05	-	-	.05	-	.01	-	.05	-	-	-		23
24	-	-	-	.10	.05	-	.05	-	-	-	-	-		24
25	-	-	-	.10	.40	-	.20	-	-	-	-	-		25
26	1.20	.30	-	.20	.05	.05	.30	-	-	-	.05	-		26
27	70	.10	-	.05	-	-	-	-	-	-	.10	-		27
28	28	-	-	.10	.05	-	-	-	-	-	-	-		28
29	05	- ~~[illegible]~~	.10	.20	-	-	-	-	-	-	-	.30		29
30	-		.10	.55	-	-	-	-	-	.50	-	-		30
31	07		.20		-		-	-		1.05		-		31
TOTAL	2.90	2.95	2.90	2.87	2.10	.81	3.37	.30	1.14	4.75	10.36	3.52	81 37.97	A
* Days with .01 in. or more.	~~15~~	10	12	20	9	5	17	3	16	13	22	15	~~[illegible]~~	"d"
* Days with .04 in. or more.	~~15~~	10	12	18	9	4	15	3	12	13	21	13	135 ~~134~~	

† Spare column, no entries required.

*See Instruction 3 (f) on other side.

12-90 | * Per R Wye b. Brd.

(*Signed*) W. W. Evans *

[P.T.O.

4220|9

NEWCHURCH

RADNORSHIRE

1939 - 40

180803

Section **A** for the entry of Daily

AIR MINISTRY.—M

C

ation No. 4220/39

ORGANIZATION

FORM 1090

REGISTE

Kept at Newchurch

in the County of Radnor

Diameter of Funnel of Gauge 6·5

Height of top of Gauge above Ground 1

,, Ground ,, Sea Level

35

e to nearby stns.

THE MORNING MEASUREMENT DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1							·18	"tr"	—	—	"tr"	·30		1
2							"tr"	·40	·39	—	—	·29		2
3							·02	·06	—	—	·16	·61		3
4							—	·04	—	·48	·15	—		4
5						(–)	·25	·02	—	—	·44	·32		5
6							·76	—	—	—	·21	—		6
7							·98	"tr"	—	—	·25	·15		7
8							·99	·02	—	1·07	·75	·20		8
9							—	·50	—	·23	·07	·23		9
10							—	"tr"	—	—	·02	—		10
11						"tr"	—	—	—	·04	—	—		11
12						—	—	—	·04	·02	—	"tr"		12
13						·02	·31	—	·05	·08	·08	—		13
14						—	·20	—	"tr"	·12	·24	·01		14
15						·23	·95	—	—	—	·30	"tr"		15
16						·46	"tr"	—	—	·04	·49	·08		16
17						·03	—	—	—	—	·03	·10		17
18						·18	·85	—	—	"tr"	·57	·02		18
19						·11	·39	—	—	—	"tr"	·04		19
20						—	·76	·17	—	—	—	·02		20
21						—	·10	·10	—	"tr"	—	"tr"		21
22						·31	·02	—	·06	—	·12	—		22
23						·47	·41	—	—	·06	·65	—		23
24						·10	"tr"	—	—	·10	·60	—		24
25						·07	—	—	—	·08	1·15	—		25
26						·04	·07	·17	—	·07	·45	—		26
27						—	·10	·08	—	—	·15	—		27
28						·15	·66	—	—	—	·15	·07		28
29						·13	·50	·08	—	·06	·30	·09		29
30		×				·21	·16	—	—	·09	·05	·18		30
31		×		×		×	·52	·30	×	"tr"	×	·02		31
TOTAL						2·51	9·18	1·94	·54	2·54	7·38	2·73	Year's Total	
* Days with .01 in. or more.						14 ~~2~~	21 ~~8~~	12 ~~8~~	~~HH~~ 4	~~X~~ 14	~~2~~ 23	~~2~~ 17		
* Days with .04 in. or more.						12	19	10	4	13	21	13		

x [illegible] Board

* See Instruction 3 (f) on other side.

† Spare column, no entries required

(Signed) Hugh Lloyd

[P.T.O.

C

Section **A** for the entry of Daily

Station No. 4220/39

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

Form 1090

REGISTER OF RAINFALL IN 1939

Kept at Newchurch

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level ft.

June 1st-10th est'd by refer to nearby stns.

f 467229/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1							·18	"tr"	—	—	"tr"	·30		1
2							"tr"	·40	·39	—	—	·29		2
3							·02	·06	—	—	·16	·61		3
4							—	·04	—	·48	·15	—		4
5						(–)	·25	·02	—	—	·44	·32		5
6							·76	—	—	—	·21	—		6
7							·98	"tr"	—	—	·25	·15		7
8							·99	·02	—	1·07	·75	·20		8
9							—	·50	—	·23	·07	·23		9
10							—	"tr"	—	—	·02	—		10
11						"tr"	—	—	—	·04	—	—		11
12						—	—	—	·04	·02	—	"tr"		12
13						·02	·31	—	·05	·08	·08	—		13
14						—	·20	—	"tr"	·12	·24	·01		14
15						·23	·95	—	—	—	·30	"tr"		15
16						·46	"tr"	—	—	·04	·49	·08		16
17						·03	—	—	—	—	·03	·10		17
18						·18	·85	—	—	"tr"	·57	·02		18
19						·11	·39	—	—	—	"tr"	·04		19
20						—	·76	·17	—	—	—	·02		20
21						—	·10	·10	—	"tr"	—	"tr"		21
22						·31	·02	—	·06	—	·12	—		22
23						·47	·41	—	—	·06	·65	—		23
24						·10	"tr"	—	—	·10	·60	—		24
25						·07	—	—	—	·08	1·15	—		25
26						·04	·07	·17	—	·07	·45	—		26
27						—	·10	·08	—	—	·15	—		27
28						·15	·66	—	—	—	·15	·07		28
29						·13	·50	·08	—	·06	·30	·09		29
30		×				·21	·16	—	—	·09	·05	·18		30
31		×		×		×	·52	·30	×	"tr"	×	·02		31
Total						2·51	9·18	1·94	·54	2·54	7·38	2·73	Year's Total ..	
* Days with .01 in. or more.						14	21	12	4	14	23	17	..	
* Days with .04 in. or more.						12	19	10	4	13	21	13	..	

† Spare column, no entries required

* See Instruction 3 (f) on other side.

x [illegible]

(Signed) Hugh Lloyd

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4220/29

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 10

REGISTER OF RAINFALL IN 19~~3~~40.

Kept at Newchurch

in the County of Radnorshire

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground.......ft.......in.

,, Ground ,, Sea Level 800-900 ft.

Acc. NP imp 1939 f.4672 39/31

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·01	-	tr	-	-	-	-	-	-	1·45	·01		1
2	-	·02	-	-	-	-	-	-	-	·10	1·82	·05		2
3	-	·42	-	-	-	-	06	-	-	-	1·69	·09		3
4	-	·08	-	-	-	-	-	-	-	·34	·58	·03		4
5	-	-	-	-	·15	-	·16	-	-	·32	·12	·07		5
6	·30	·72	-	-	-	-	-	-	-	·58	·05	·12		6
7	·03	·33	-	-	·09	-	·05	-	·09	·13	-	·14		7
8	-	-	-	-	-	-	-	-	-	·32	·43	·43		8
9	-	-	-	·15	-	-	·45	·02	-	·14	·51	·27		9
10	-	-	-	·30	-	-	·52	·13	-	26	tr	·17		10
11	-	-	tr	·05	-	-	·48	-	-	·10	·06	·14		11
12	-	-	tr	-	-	-	·22	-	·52	·08	1·10	·28		12
13	-	tr	·27	-	-	-	·25	-	tr	-	·23	·18		13
14	-	tr	·15	tr	·17	-	·15	·12	·32	07	·05	·29		14
15	-	·02	·25	·50	·98	·19	·11	-	·18	-	·16	-		15
16	-	·67	·21	·52	-	-	·24	tr	tr	·42	·91	-		16
17	·24	·02	·32	-	-	-	·10	·05	·08	-	·03	-		17
18	-	·33	1·20	-	-	-	·26	tr	-	-	·04	-		18
19	·27	tr	·02	-	-	-	·14	tr	-	-	·23	-		19
20	-	-	·04	·21	-	-	-	-	-	·04	·52	-		20
21	-	·03	·04	-	-	·55	-	-	-	·14	·41	-		21
22	-	·05	·52	·20	·20	tr	·32	-	·10	-	·58	-		22
23	-	-	-	·07	·48	-	·08	-	·05	·12	tr	-		23
24	-	-	-	-	-	-	·06	-	-	·20	·02	-		24
25	-	-	-	-	-	-	·12	-	-	-	·03	-		25
26	1·67	·23	-	·18	·06	-	-	-	-	-	tr	-		26
3·32 27	1·64	·42	-	-	-	-	·16	-	-	-	-	-		27
28	-	·22	tr	1·39	·52	-	-	-	-	-	·07	-		28
29	-	-	·32	·43	-	·10	-	-	-	-	·10	tr		29
30	-	✕	-	·48	-	-	-	-	-	·45	-	·12		30
31	·01	✕	·58	✕	·12	✕	-	-	✕	·58	✕	·29		31
													Year's Total	
TOTAL	4·16	3·57	3·87	4·48	2·27	·84	3·93	·32	1·34	4·39	11·19	2·68	43·04	
* Days with .01 in. or more.	~~7~~	~~15~~	~~12~~	~~12~~	~~9~~	~~3~~	~~19~~	~~4~~	~~7~~	~~18~~	~~24~~	~~16~~	~~146~~	
* Days with .04 in. or more.	5	10	11	12	9	3	19	3	7	18	21	14	132	

† Spare column, no entries required.

* See Instruction 3 (f) on other side

*Per R. Wye C. Brd.

(*Signed*) H. Lloyd*

[P.T.O.

4221

Section **A** for the entry … …OPY FOR OFFICIAL USE.
AIR MINIST… …L ORGANIZATION.

FORM 1090. **REGIS…**

Kept at Cefndyr…

in the County of Ra…

Diameter of Funnel of Gauge……

Height of top of Gauge above Gro…

,, Ground ,, Sea…

THE MORNING MEAS…

An observer who does not conform … …ollowing
year in the space on the right of …

Jan. 1, following

4221

CEFNDYRYS

1931 —— 40

780803

Date	Jan.	Feb.	March								Nov.	Dec.	Date
	in.	in.	in.								in.	in.	
1	·	·	·	15	·	4	4	·	35	9	·	35	1
2	8	·	·	51	30	5	·	9	68	6	45	20	2
3	20	·	·	·	·	·	5	·	15	2	2·45	15	3
4	·	·	10	20	26	·	14	35	10	5	45	38	4
5	·	7	·	7	8	63	8	6	·	·	·	·	5
6	·	17	·	22	12	5	18	3	·	45	17	5	6
7	·	5	·	·	·	6	67	35	·	8	20	14	7
8	·	12	·	9	·	45	·	36	·	2	4	7	8
9	4	60	·	5	·	12	5	·	4	12	45	4	9
10	·	14	·	·	7	8	·	3	5	·	72	·	10
11	15	62	·	·	·	9	12	4	6	·	30	2	11
12	·	·	·	·	·	·	44	·	4	14	6	·	12
13	·	27	8	·	12	·	20	7	3	·	·	·	13
14	5	10	·	·	6	4	28	45	7	·	55	·	14
15	·	18	·	8	8	94	9	53	4	·	·	5	15
16	28	·	·	20	42	65	·	37	8	·	·	·	16
17	7	·	·	19	58	10	26	·	·	·	6	·	17
18	26	·	5	5	·	27	20	35	·	·	35	·	18
19	5	40	·	10	·	56	8	78	3	·	7	·	19
20	·	15	15	5	·	·	·	14	5	·	6	·	20
21	60	5	·	8	35	·	4	3	·	·	8	·	21
22	45	6	5	4	10	7	8	14	·	·	·	·	22
23	36	·	·	26	26	·	40	·	·	·	35	10	23
24	12	5	·	54	10	·	27	·	·	·	5	·	24
25	26	20	·	30	15	·	18	·	·	·	4	·	25
26	·	10	·	12	·	·	25	·	·	·	50	·	26
27	14	65	12	5	1·75	·	5	·	·	12	10	4	27
28	17	20	27	4	28	·	4	·	·	·	·	·	28
29	15	·	24	·	9	·	42	·	5	15	17	·	29
30	·	×	·	5	·	·	·	·	10	·	·	·	30
31	76	×	·	×	15	×	·	·	×	·	×	52	31
TOTAL	4·19	4·18	1·08	3·44	5·32	4·20	4·61	3·97	1·92	1·30	7·67	2·11	YEAR'S TOTAL 43·99
*Days with ·01 in. or more.	18	19	8	22	19	16	24	17	16	11	22	13	205
*Days with ·04 in. or more.	18	19	8	22	19	16	24	14	14	9	22	12	197

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Eiley Thomas

P.T.O.

4221

Section **A** for the entry OPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Cefndyrys.

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 10 in.

,, Ground ,, Sea Level 740 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·	·	·	15	·	4	4	·	35	9	·	35	1
2	8	·	·	51	30	6	·	9	68	6	45	20	2
3	20	·	·	·	·	·	5	·	15	2	2·45	15	3
4	·	·	10	20	26	·	14	35	10	5	45	38	4
5	·	7	·	7	8	63	8	6	·	·	·	·	5
6	·	17	·	22	12	5	18	3	·	45	17	5	6
7	·	5	·	·	·	6	67	35	·	8	20	14	7
8	·	12	·	9	·	45	·	36	·	2	4	7	8
9	4	60	·	5	·	12	5	·	4	12	45	4	9
10	·	14	·	·	7	8	·	3	5	·	72	·	10
11	15	62	·	·	·	9	12	4	6	·	30	2	11
12	·	·	·	·	·	·	44	·	4	14	6	·	12
13	·	27	8	·	12	·	20	7	3	·	·	·	13
14	5	10	·	·	6	4	28	45	7	·	55	·	14
15	·	18	·	8	8	94	9	53	4	·	·	5	15
16	28	·	·	20	42	65	·	37	8	·	·	·	16
17	7	·	·	19	58	10	26	·	·	·	6	·	17
18	26	·	5	5	·	27	20	35	·	·	35	·	18
19	5	40	·	10	·	56	8	78	3	·	7	·	19
20	·	15	15	5	·	·	·	14	5	·	6	·	20
21	60	5	·	8	35	·	4	3	·	·	8	·	21
22	45	6	5	4	10	7	8	14	·	·	·	·	22
23	36	·	·	26	26	·	40	·	·	·	35	10	23
24	12	5	·	54	10	·	27	·	·	·	5	·	24
25	26	20	·	30	15	·	18	·	·	·	4	·	25
26	·	10	·	12	·	·	25	·	·	·	50	·	26
27	14	65	12	5	1·75	·	5	·	·	12	10	4	27
28	17	20	27	4	28	·	4	·	·	·	·	·	28
29	15	·	24	·	9	·	42	·	5	15	17	·	29
30	·	×	·	5	·	·	·	·	10	·	·	·	30
31	76	×	·	×	15	×	·	·	×	·	×	52	31
TOTAL	4·19	4·18	1·08	3·44	5·32	4·20	4·61	3·97	1·92	1·30	7·67	2·11	YEAR'S TOTAL 43·99
*Days with ·01 in. or more.	18	19	8	22	19	16	24	17	16	11	22	13	205
*Days with ·04 in. or more.	18	19	8	22	19	16	24	14	14	9	22	12	197

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) E. Ailey Thomas [P.T.O.

4221

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at CEFNDYRYS

in the County of RADNOR

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 10 in.

,, Ground ,, Sea Level 740 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	54	·	·	27	1·53	7	16	51	15	·	17	12	1
2	·	·	·	5	25	·	5	3	35	10	8	28	2
3	38	·	·	·	·	·	26	·	·	9	5	16	3
4	5	·	·	75	·	·	9	·	3	·	52	·	4
5	90	·	15	6	·	·	·	·	10	·	·	·	5
6	72	·	17	38	·	·	3	·	38	4	·	·	6
7	25	·	20	12	·	·	·	·	52	1·36	·	·	7
8	·	·	·	9	15	·	·	2	3	10	·	·	8
9	1·06	·	·	15	10	·	·	·	·	·	·	·	9
10	45	·	·	25	5	·	·	·	42	33	·	·	10
11	20	·	·	8	15	·	·	·	2	4	2	·	11
12	65	·	·	2	25	·	·	3	22	45	·	6	12
13	14	12	·	35	4	·	65	20	7	4	4	28	13
14	38	·	·	20	3	·	5	·	·	8	20	4	14
15	6	·	·	4	22	·	·	·	·	7	·	7	15
16	84	·	·	23	·	·	22	·	·	5	·	5	16
17	2	·	·	2	4	·	6	·	·	23	·	3	17
18	·	·	·	·	10	·	·	·	3	4	35	·	18
19	·	·	·	9	30	·	·	·	·	17	·	4	19
20	·	·	·	10	76	·	3	10	·	75	8	12	20
21	·	·	10	12	4	·	·	30	·	93	6	10	21
22	·	·	·	14	15	·	10	·	57	42	53	18	22
23	·	·	·	2	18	·	5	·	·	26	27	24	23
24	12	·	·	·	2	·	7	·	25	7	6	·	24
25	·	5	·	·	·	·	·	·	8	78	12	·	25
26	·	·	7	25	8	·	14	·	15	20	14	3	26
27	·	·	42	15	32	·	12	·	·	10	6	3	27
28	·	·	12	·	27	20	30	·	·	·	4	4	28
29	·	·	56	20	33	14	5	33	16	75	25	32	29
30	·	×	31	45	·	75	22	14	·	15	61	4	30
31	·	×	15	×	·	×	20	5	×	3	×	50	31
TOTAL	6·76	·17	2·25	4·58	5·36	1·16	2·85	1·71	3·53	7·63	3·65	2·73	YEAR'S TOTAL 42·38
*Days with ·01 in. or more.	16	2	10	25	22	4	19	10	17	26	19	20	190
*Days with ·04 in. or more.	15	2	10	22	20	4	17	7	13	25	18	17	170

40-9999

(Signed) E Aubrey Thomas

P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4221

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at CEFNDYRYS

in the County of RADNOR

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 10 in.

,, Ground ,, Sea Level 740 ft.

Jan 1st-30th estimated by near stations

Observer informed 9/4/34

Observer queried 2/4/34

Day? Est. Jany

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	+·	·	12	·	·	·	·	·	4	27	7	63	1
2	+·	54	22	·	15	27	·	·	·	·	3	·	2
3	+·	33	15	·	6	·	·	·	·	·	·	·	3
4	+·	22	14	·	8	·	·	·	·	·	·	·	4
5	+·	·	30	·	4	·	·	·	·	·	·	·	5
6	·	27	12	·	17	·	·	·	·	·	·	·	6
7	+·	18	·	·	·	2	27	·	·	33	·	·	7
8	+·	6	7	·	10	·	66	·	·	96	·	·	8
9	·	11	·	·	6	3	62	·	·	4	7	·	9
10	+·	5	·	·	·	9	63	5	·	105	4	·	10
11	·	·	·	·	·	61	30	6	·	180	·	·	11
12	·	·	·	·	2	·	15	·	·	10	·	10	12
13	·	·	·	·	10	·	23	30	·	4	20	·	13
14	+·	·	3	·	·	·	12	4	·	30	10	·	14
15	+·	·	14	·	·	·	7	5	·	6	·	·	15
16	·	·	42	·	·	9	4	2	·	9	·	·	16
17	·	21	44	·	·	32	6	3	·	27	5	·	17
18	+·	·	20	·	·	54	·	2	·	·	6	·	18
19	·	·	57	·	·	2	·	4	40	·	52	·	19
20	·	·	8	·	14	12	·	5	36	·	·	·	20
21	·	·	·	·	16	35	·	12	2	·	·	·	21
22	·	·	·	·	30	67	·	18	18	6	·	·	22
23	·	·	·	12	·	31	·	2	8	5	-	·	23
24	·	·	·	9	9	68	·	·	·	16	·	·	24
25	·	·	·	18	·	10	·	·	7	17	·	13	25
26	·	1·90	-	7	23	·	·	·	12	20	·	·	26
27	·	1·17	·	3	·	·	·	·	·	·	-	9	27
28	·	5	·	29	·	-	·	·	4	6	·	3	28
29	/·	·	15	4	·	·	7	·	·	5	·	6	29
30	(3+· 3·00)	×	12	·	·	·	9	·	25	10	·	12	30
31	+78	×	10	×	·	×	2	3	×	15	×	·	31 (33·89)
TOTAL	+ (3·78) ~~78~~	5·09	3·37	·82	1·70	4·42	3·53	1·01	1·56	6·31	1·14	1·16	YEAR'S TOTAL ~~30·89~~
*Days with ·01 in. or more.	(14) x	12	17	7	14	15	14	14	10	21	9	7	~~141~~ (154)
*Days with .04 in. or more.	(13)	12	16	6	13	12	13	10	9	21	8	6	(139)

40-9999

*See Instruction 2 (*f*) on other side.

D

(Signed) E Aubrey Thomas

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4221.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Cefndyrys.

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 10 in.

,, Ground ,, Sea Level 740 ft.

Days
ag

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·15	·	·1	·	·	-	·	·30	·4	·8	·18	·25		1
2	·	·	·6	·	·	·	·	·20	·15	·4	·4	·45		2
3	·4	·	·4	·	·10	·	·	·	·6	·56	·	·32		3
4	·8	·	·25	·15	·16	·	·	·	·46	·68	·6	·61		4
5	-	·	·4	-	·25	·	·	·77	·	·10	·7	·22		5
6	·1	·	·2	·	·84	-	·	·3	·	·25	·	·24		6
7	·15	·	-	·	·	·	·	·5	·	·7	·	·55		7
8	-	·	·	·	·9	·	·	·	·2	·3	·31	·86		8
9	·	·	·14	·	-	·	·	·8	·	-	·50	·16		9
10	·33	·	·14	15	·	·	·	·31	·1	·	·8	·7		10
11	1·00	·	·18	·35	·	·	·9	·15	·	·	·	·20		11
12	·4	·	·3	·4	·	·	·61	·8	·	·	-	·8		12
13	·77	·	·	·43	·	·	·	·	·	·13	·	·4		13
14	·8	·	·61	·1	·	·7	·	·	·	·19	·14	·36		14
15	·12	·	·33	·	·28	·	·	·	·	·46	·9	·38		15
16	·39	·	·38	·	·	·	·	·	·	·	·6	·2		16
17	·28	·	·13	·28	·8	·	·21	·	·34	·	-	·47		17
18	·24	·	·2	·25	-	·	·	·1	·6	·	·	·45		18
19	-	·	·11	-	·	·9	·	·1	·9	·2	·	·37		19
20	-	·	-	·3	·3	·1	·	·	·7	·2	·	·5		20
21	·	·	·2	·27	·5	·10	·11	·17	·	·18	·2	·2		21
22	·1	·	·6	·	·	·	·	·22	·33	·4	·	·17		22
23	·34	·	·5	·23	·	·40	·	·11	·	·2	·	·		23
24	·9	·24	·6	·2	·	·3	·	·	·15	·1	·	·		24
25	·	·2	·	·30	·7	·	·	·	·15	·42	·	·80		25
26	·	·	·1	·29	·	·18	·2	·	·37	·1	·2	·4		26
27	·	·	·	·5	-	·32	·	·	·2	·5	·	·24		27
28	·	·	·	·47	·	·	·14	·31	·14	·6	·6	·42		28
29	·	·	-	-	·	-	·48	·8	·15	·10	·1	·6		29
30	·	×	-	·	·	·	·12	·12	·15	·6	·	·38		30
31	·	×	·	×	·	×	-	·	×	·19	×	·17		31
TOTAL	4·12	·26	2·69	3·32	1·95	1·20	1·78	3·00	2·70	3·77	1·64	8·45	Year's Total. 34·88	
* Days with .01 in. or more.	17	2	21	16	10.	8	8	17	18.	24	14.	29.	184	
* Days with .04 in. or more.	15	1	15	13.	9.	6.	7.	14.	14.	18.	11.	27.	150	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Eardley Thomas

[P.T.O.

COPY FOR OFFICIAL USE.

Station No. 4221

Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Cefndyrys

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 10 in.

,, Ground ,, Sea Level 740 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·03	·13	—	—	·01	·08	—	·48	·21	·02	·36		1
2	—	—	—	—	—	—	—	—	·15	·12	·08	·16		2
3	—	·09	·14	·02	—	·18	·03	—	·03	·17	·16	·09		3
4	·3	—	·10	·05	—	·04	·02	—	·02	·09	·03	·26		4
5	—	·37	·10	·09	—	·27	—	—	·07	—	·11	·04		5
6	—	—	—	·34	—	·49	—	—	—	·11	·22	·18		6
7	—	—	—	·35	—	·65	—	—	—	·25	—	·12		7
8	—	—	—	·23	—	·03	—	—	—	·22	·12	·15		8
9	·15	—	—	·74	—	·21	—	—	—	·10	·07	—		9
10	·01	—	—	·36	—	—	—	—	—	·13	·20	—		10
11	·35	·09	—	—	—	·22	—	—	—	·05	·28	—		11
12	—	·10	—	—	—	·21	—	·09	—	—	·21	—		12
13	·07	·08	—	·14	·02	·01	—	—	·05	·10	·50	—		13
14	—	·01	—	—	—	·07	—	—	·45	·02	1·15	·29		14
15	—	·97	—	·43	·03	·10	—	—	·23	·03	·19	·24		15
16	—	·27	—	·40	—	·25	·05	—	1·07	·28	·41	·30		16
17	—	·03	—	·14	·30	·15	·04	·02	·15	·01	·05	—		17
18	—	·02	—	·32	·02	·08	—	·14	·62	·29	·02	—		18
19	—	·03	—	·10	·18	·35	·09	—	·10	·20	·15	—		19
20	—	·79	—	·20	·35	·05	·03	—	·02	—	·58	—		20
21	—	·51	·01	·05	—	—	—	—	·15	·07	·15	—		21
22	—	·13	·06	·05	—	—	—	—	·14	·01	—	—		22
23	·03	·22	·67	—	—	—	—	—	·05	·34	—	·17		23
24	·11	·53	·01	·13	—	—	—	—	·72	·17	—	·10		24
25	·39	·06	—	·10	—	1·44	—	—	—	—	·02	·04		25
26	—	·15	—	—	—	—	—	·76	·27	·02	·10	·25		26
27	—	·09	—	—	·07	—	—	—	·36	·16	·20	·10		27
28	—	·07	—	—	·02	—	—	·18	·19	·11	·09	·01		28
29	—		—	—	—	—	—	·01	·16	·17	·32	·42		29
30	·04	×	—	·08	—	·06	—	·14	·23	·65	·76	·15		30
31	—	×	—	×	—	×	—	—	×	·32	×	·16		31
TOTAL	1·18	4·64	1·22	4·32	·99	4·87	·34	1·34	5·71	4·40	6·19	3·59	Year's Total. 38·79	
* Days with .01 in. or more.	9	21	8	20	8	20	7	7	22	27	26	20	195	
* Days with .04 in. or more.	6	16	6	19	4	17	4	5	19	22	22	19	157	

40-9999

† Spare column, no entries required.

(*Signed*) Eanley Thomas [P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE

Section A **for the entry of Daily Observations**

Station No. 4221

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Kept at Cefndyrys

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 740 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·16	·13	—	·23	—	·17	·10	·2	—	—	·9	·18		1
2	·8	·5	—	·5	—	·37	·4	—	·4	—	·1	·1		2
3	·5	—	·5	—	—	—	·4	·1	·34	—	·1	·11		3
4	·9	—	·8	—	—	·12	—	·6	·64	—	·86	·24		4
5	·37	—	·13	—	·3	—	·7	·3	·8	—	·3	·20		5
6	·55	—	·1	—	—	·5	·13	·10	·4	—	·46	—		6
7	·1	—	·2	—	—	—	·44	—	·48	—	·46	·2		7
8	·36	—	·9	—	—	—	·19	—	·3	—	·92	·2		8
9	1·19	—	·3	—	—	·1	1·06	—	·58	·5	·10	—		9
10	·17	—	—	—	—	—	·13	—	—	—	·13	—		10
11	—	·14	—	·5	—	·15	·5	—	·11	·1	·75	·5		11
12	—	—	—	·4	·9	·11	·47	·1	·19	—	·3	·33		12
13	—	—	—	—	—	·3	·12	—	·5	·9	·8	1·40		13
14	—	—	—	·10	—	·6	·1	·1	·11	—	·25	·56		14
15	—	—	—	·3	·62	—	—	—	·1	—	·23	✓·9		15
16	·6	·2	—	·16	·24	—	·5	—	—	·1	·2	·5		16
17	·24	·85	·1	·2	·11	—	·42	·1	—	·23	—	✓·64		17
18	—	·19	—	—	—	—	·88	·3	—	·30	—	·10		18
19	·39	·7	·4	·21	—	·34	·10	·2	—	·7	—	—		19
20	·5	·16	·5	·16	—	·96	—	—	·3	—	—	—		20
21	—	—	·2	·40	—	·37	—	—	—	·1	—	—		21
22	·6	·14	·56	—	·13	·18	·14	—	—	—	—	·7		22
23	·5	·11	·23	·7	·3	—	·33	—	·27	·6	—	—		23
24	·15	·3	—	·3	·5	—	—	—	·17	·58	—	—		24
25	·12	—	·9	·83	—	—	·37	—	—	·38	—	—		25
26	·21	·10	·29	—	—	·5	·34	—	—	·36	—	—		26
27	·11	·7	·2	—	—	—	·1	—	—	·29	—	—		27
28	·46	·8	·26	—	—	—	·21	—	—	·2	·3	·16		28
29	·6	·3	·13	—	·5	·90	·5	—	—	·2	—	·14		29
30	·7	✕	·2	—	·13	·25	·4	—	—	·82	—	·4		30
31	·45	✕	·20	✕	·16	✕	·10	—	✕	—	✕	·61		31
TOTAL	5·51	2·17	2·33	2·38	1·64	4·12	5·89	·30	3·17	3·30	4·46	5·02	Year's Total 40·29	✓ ✓
* Days with .01 in. or more.	24	15	20	14	11	16	26	10	16	16	17	20	205	✓
* Days with .04 in. or more.	23	12	13	11	9	14	24	2	13	11	12	17	161	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) E Aubrey Thomas [P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4221

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at CEFNDYRYS

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft. — in.

,, Ground ,, Sea Level 740 ft.

1938

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·14	·18	—	·02	—	—	—	—	·07	·16	·05	·21		1
2	·13	·49	—	·04	—	—	—	—	·05	—	—	·53		2
3	·02	·39	—	—	·32	·10	·03	—	·02	—	—	—		3
4	·16	·10	—	·09	·26	·01	—	·14	—	—	—	·75		4
5	·95	—	·07	·08	—	—	·06	—	—	—	—	·04		5
6	·24	·05	·06	·11	·05	—	—	—	·01	—	·02	—		6
7	—	·58	·07	·31	—	·06	—	—	·06	—	·02	—		7
8	—	·35	—	·02	·05	·17	·13	—	—	—	·21	—		8
9	—	·03	—	·03	·02	—	·12	·02	·46	—	—	—		9
10	·03	·12	·08	·04	—	·03	·01	—	—	—	—	·34		10
11	·02	—	·30	·04	·11	·28	·29	—	—	—	—	·11		11
12	·46	·25	·06	—	—	·12	·02	·12	·17	—	—	·10		12
13	·16	·03	—	·42	—	·02	—	·04	·21	—	—	·09		13
14	—	·03	·02	·02	—	—	—	·02	·03	—	—	·10		14
15	·35	·23	—	·41	—	—	·99	—	·17	—	·01	·30		15
16	·10	·19	·67	·11	—	—	—	·23	·18	—	—	—		16
17	·36	·09	·45	—	—	—	—	—	·37	—	·04	—		17
18	·45	·15	·50	—	—	·07	—	—	·69	—	·16	·13		18
19	·12	·09	·05	·08	—	·11	·30	—	·05	—	·07	—		19
20	·67	·19	·15	·58	—	·09	—	—	—	—	—	·05		20
21	·42	·31	·05	·15	—	—	·21	—	—	·14	—	·01		21
22	·18	·04	·03	—	·31	—	·47	—	—	·32	·11	·08		22
23	·12	·06	—	—	·10	—	·03	—	—	·17	·28	—		23
24	·31	·18	·13	—	—	—	—	—	·04	·49	—	·06		24
25	—	·60	—	—	—	—	—	—	·05	·20	—	·03		25
26	—	·37	·03	—	·26	—	—	—	—	·01	—	·01		26
27	—	·30	—	·03	—	—	—	—	—	·34	—	—		27
28	—	·13	—	—	—	—	—	—	—	·05	—	—		28
29	—		—	—	—	—	—	—	—	1·16	·07	—		29
30	·18	×	—	—	—	·03	—	—	·01	·01	·28	—		30
31	·33	×	—	×	—	×	—	—	×	·39	×	—		31
TOTAL	5·90	5·53	2·72	2·58	1·48	1·09	2·66	·57	2·64	3·44	1·32	2·94	Year's Total 32·87	✓ ✓
* Days with .01 in. or more.	22	26	16	18	9	12	12	6	17	12	12	17	179	✓ ✓
* Days with .04 in. or more.	19	23	13	13	8	8	8	4	13	10	16	14	143	✓ ✓

† Spare column, no entries required.

(*Signed*) Aubrey Thomas [P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4221

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938.

Kept at CEFNDYRYS.

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 740 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·09	—	—	—	·66	1·05	·14	—	·28	·08	·46		1
2	—	·09	—	·15	·15	·03	·06	·05	—	·25	·05	·04		2
3	—	—	—	—	·09	·03	·19	—	—	·91	·02	—		3
4	—	—	—	—	—	·01	·42	·42	—	·57	·10	·22		4
5	·01	—	—	—	—	—	·05	·12	·12	·43	—	·06		5
6	·11	·02	—	—	—	·42	·75	·06	·21	·50	·01	·18		6
7	·13	—	—	—	—	—	·35	·09	·19	·17	—	·02		7
8	·23	—	—	—	—	—	·11	·15	—	·77	—	·16		8
9	·41	·13	—	—	—	·42	·05	·37	—	—	—	1·02		9
10	·10	—	—	—	—	·02	·36	·45	—	·13	—	·34		10
11	·68	—	—	—	—	—	·01	·08	—	·06	·37	·35		11
12	·30	—	—	—	·20	—	·03	—	—	·48	·92	·32		12
13	·03	—	—	—	·05	—	—	—	—	·06	·50	·25		13
14	1·14	—	—	—	·06	—	·13	—	·05	—	·02	—		14
15	·27	—	—	—	·67	—	·02	·02	—	—	·03	·40		15
16	·44	—	·04	—	·12	—	—	—	—	—	·07	—		16
17	—	·03	—	—	—	—	—	—	·20	·21	·02	·02		17
18	·15	—	—	—	—	·04	—	·18	·25	·09	·54	—		18
19	·05	—	—	—	—	—	—	·16	—	—	·41	—		19
20	·10	—	·03	—	—	—	—	—	—	—	·29	—		20
21	—	—	—	—	—	—	—	·11	·05	—	·19	—		21
22	·04	—	—	·03	—	·02	—	·09	—	—	·40	—		22
23	·01	—	—	·04	·02	·01	·53	—	·02	—	·15	—		23
24	·10	·13	·18	—	·13	·02	—	·31	·02	·03	·12	—		24
25	·15	·17	—	—	·17	—	·12	·03	—	·42	1·08	·12		25
26	·27	·59	·10	—	·18	·43	·06	—	—	·36	·01	—		26
27	·25	·21	—	—	·56	·24	·41	·30	·15	·04	·45	—		27
28	·06	·25	—	—	—	·57	·02	·12	·05	·01	·10	—		28
29	·28	×	—	—	·44	·01	·06	—	·03	·09	·13	·15		29
30	·18	×	—	—	·02	—	—	—	·25	—	·43	·18		30
31	·24	×	—	×	·31	×	—	·01	×	·30	×	·39		31
TOTAL	5·73	1·71	·35	·22	3·17	2·93	4·78	3·26	1·59	6·16	6·49	4·68	Year's Total 41·07	✓
* Days with .01 in. or more.	25	10	4	3	15	15	20	20	13	21	25	18	189	✓
* Days with .04 in. or more.	22	8	3	2	13	7	16	17	10	19	19	16	152	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) [P.T.O.

COPY FOR OFFICIAL USE

Section **A** **for the entry of Daily Observations**

Station No. 4421.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Cefndyrys

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. — in.

" Ground " Sea Level 740 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03	—	·44	·55	·12	—	—	·02	—	—	·03	·13		1
2	—	—	·02	·02	—	—	·03	·23	·15	—	·08	·15		2
3	·27	—	·14	·41	—	—	—	·04	·17	—	·03	·67		3
4	—	—	·21	·39	·15	—	·24	—	—	·25	·15	·41		4
5	—	—	—	·66	—	—	·45	·02	—	·17	·60	—		5
6	·57	·04	·10	—	—	—	·55	—	—	—	·33	—		6
7	·17	·19	·05	—	—	—	·35	·02	—	—	·44	·32		7
8	·10	·40	·29	—	·14	—	·41	—	—	·38	·84	·06		8
9	·10	·40	·01	—	—	—	—	·40	—	·28	·15	·31		9
10	·53	·01	—	—	—	—	—	—	·13	·25	—	·14		10
11	·02	·14	·08	—	—	—	—	—	—	·01	—	—		11
12	·24	·08	—	·06	—	—	—	—	·15	·04	—	—		12
13	—	—	—	·29	·07	·05	·46	—	—	·11	—	—		13
14	·97	—	—	·04	·12	·11	·07	—	—	·05	·43	—		14
15	·53	·05	·02	·10	·02	·53	·22	—	—	—	·23	—		15
16	·17	·01	—	·03	·13	—	·07	—	—	—	·49	—		16
17	·59	·09	—	—	—	·18	—	—	—	·03	·04	—		17
18	·21	·06	·01	—	—	·11	·33	—	—	—	·76	—		18
19	·18	·02	—	—	—	—	·32	·09	—	—	—	—		19
20	·32	—	—	—	—	—	·21	·05	—	—	—	—		20
21	·10	·26	·29	·07	·01	·08	·11	·26	—	—	—	—		21
22	·54	·92	·14	·02	—	·25	·06	—	·06	·03	·68	—		22
23	·07	·15	·02	·11	—	·04	·25	—	—	·12	·62	—		23
24	—	·03	·01	—	—	·02	·02	—	—	·14	—	—		24
25	·77	·13	—	·01	—	—	·06	—	—	·11	1·63	—		25
26	—	·01	—	·08	—	—	—	·14	—	—	·56	—		26
27	—	·49	·04	—	—	·20	·10	·09	—	—	·17	·03		27
28	·08	·27	·05	·03	—	·23	·54	—	—	—	·33	—		28
29	—		—	·21	—	·26	·66	—	—	·17	·26	—		29
30	—	✕	—	·12	—	·14	·11	·15	—	·06	·18	·12		30
31	—	✕	—	✕	—	✕	·05	·07	✕	·10	✕			31
TOTAL	6·56	3·75	1·92	3·20	·76	2·20	5·57	1·58	·66	2·30	9·03	2·34	Year's Total 39·87	✓
* Days with .01 in. or more.	21	20	17	18	8	13.	23	13	5	17	22.	10.	167	✓
* Days with .04 in. or more.	19	15	11	13	6	12	21.	9	5	14.	20	9	154	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) E Aubrey Thomas

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4221

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at CEFNDYRYS

in the County of RADNOR

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 740 ft.

Days

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	—	·11	·15	—	—	—	—	—	·44	—		1
2	—	·02	—	·24	—	—	·02	—	—	—	2·28	·13		2
3	—	·29	—	·02	—	—	·01	—	—	·06	·96	·03		3
4	—	·27	—	·01	—	—	·05	—	—	·13	·21	·07		4
5	—	—	—	—	·13	—	—	—	—	·42	·43	·16		5
6	·22	·36	—	—	—	—	·05	—	—	·57	·03	·40		6
7	·03	·07	—	·02	—	—	·04	—	·11	·45	—	·04		7
8	—	—	—	—	·03	—	·18	—	—	·34	·05	·33		8
9	—	—	—	—	—	—	·78	·09	·06	·70	·93	·34		9
10	—	—	·01	—	—	—	·23	·08	·03	·15	·10	·42		10
11	—	—	—	—	—	—	1·25	—	—	—	1·21	·11		11
12	—	—	·34	—	—	·09	·21	·01	·48	—	·33	—		12
13	—	—	·21	·03	—	—	·04	·02	·05	—	·03	·06		13
14	—	·09	—	·11	—	—	·02	·01	·07	·48	·08	·58		14
15	—	—	·03	·04	·96	·07	·07	—	·09	·03	·24	·05		15
16	—	—	·16	·11	—	—	·17	—	·66	·26	·79	·04		16
17	—	·26	·43	—	—	—	·06	—	·09	—	·06	·22		17
18	—	·42	·81	·56	—	—	—	·03	·14	—	·01	—		18
19	·25	·09	·20	·08	—	—	·36	—	·17	—	·21	—		19
20	—	—	·02	·13	—	—	·52	·12	—	·16	·05	—		20
21	—	—	·11	—	·14	·45	·10	—	—	—	1·60	—		21
22	—	·03	·10	·09	—	·36	—	—	·07	—	—	—		22
23	—	·09	·13	·11	·09	·01	·03	—	—	—	·03	—		23
24	—	—	—	—	·02	—	·06	·02	·03	—	—	—		24
25	·06	—	—	·02	·12	—	—	—	—	—	—	—		25
26	1·14	·30	—	·03	·38	·01	·27	—	—	—	·02	—		26
27	·99	·20	—	·39	·03	—	·25	—	—	—	·07	—		27
28	·16	·08	—	·29	·10	—	—	—	—	—	—	·02		28
29	—	—	·10	·15	—	·08	·05	—	—	—	—	·41		29
30	—	✕	·01	·56	—	—	—	—	—	·49	—	—		30
31	·07	✕	·29	✕	·06	✕	—	—	✕	1·17	✕	·01		31
TOTAL	2·92	2·57	2·95	3·10	2·21	1·07	4·82	·38	2·05	5·41	10·16	3·42	Year's Total 41·06	
* Days with .01 in. or more.	8	14	15	20	12	7	23	8	13	14	23	18	175	
* Days with .04 in. or more.	7	12	11	14	9	5	19	3	11	13	18	15	137	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) E Aubrey Thomas

P.T.O.

4221/2

PENEERRIG

1933 — 40

780803

Section **A** for the entry of
AIR MINISTR

ion No. 4221/2
ORGANIZATION

FORM 1090

REGIS

R.O.

Kept at Peneerrig, Nr.
in the County of Rads.
Diameter of Funnel of Gauge
Height of top of Gauge above Gro
,, Ground ,, Sea

THE MORNING MEASURE

AY

owing

Jan. 1, following

An observer who does not conform t
year in the space on the right of thi

Plea

Date	Jan.	Feb.	Mar.	Ap								Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·41	·53	·10	—	—	—	—	—	·02	·02	·18	·24		1
2	·78	—	·18	—	·10	·26	—	—	—	·02	·06	·15		2
3	·10	·33	·15	—	—	—	—	—	—	·06	·12	·12		3
4	·48	·23	·13	—	·10	—	—	—	—	—	·40	·02		4
5	·14	·05	·33	—	·06	—	—	—	—	—	—	—		5
6	·01	·20	·06	—	·15	—	·06	—	—	—	—	—		6
7	·33	·17	—	—	—	—	—	—	—	1·40	—	—		7
8	·09	·05	·06	—	·11	—	·87	—	—	·05	—	—		8
9	—	·07	—	—	·02	·02	1·06	—	—	·02	—	—		9
10	·17	·04	—	—	—	·08	·28	·02	—	·30	—	—		10
11	—	—	—	—	—	·59	·25	·03	—	·08	—	—		11
12	—	—	—	—	—	—	·22	—	—	·35	—	—		12
13	—	—	—	—	·08	—	·16	·28	—	·02	·01	·30		13
14	·45	—	—	—	—	—	·20	·02	—	·06	·19	·03		14
15	·15	—	·02	—	—	—	·02	·02	—	·02	—	·02		15
16	·03	—	·10	—	—	—	·03	—	—	—	—	·02		16
17	—	·12	·42	—	—	·07	·07	—	—	·18	—	—		17
18	·14	—	·43	—	—	·28	—	—	—	·01	·29	—		18
19	—	—	·14	—	—	·04	—	·02	·70	·17	—	—		19
20	—	·05	·54	—	·16	·12	—	·03	·35	·75	·10	·11		20
21	—	·02	·01	—	·17	·27	—	·10	·01	·94	·06	·08		21
22	—	—	—	·04	·30	·12	—	·18	·22	·51	·52	·17		22
23	—	—	—	·08	—	·30	—	—	·02	·03	·19	·21		23
24	—	—	—	·07	·07	·72	—	—	·01	·04	·06	—		24
25	—	—	—	·20	—	·03	—	—	·05	·66	·16	—		25
26	—	—	—	·06	·25	—	—	—	·13	·17	·08	·02		26
27	—	1·40	—	—	—	—	—	—	—	·10	·09	·01		27
28	—	·04	—	·27	—	—	·01	·02	—	—	·01	—		28
29	·05		·19	·03	—	—	—	—	—	·70	·34	·30		29
30	—	✕	·07	·02	—	—	·08	—	·28	·09	·48	·02		30
31	·44	✕	·10	✕	—	✕	—	·01	✕	·02	✕	·43		31
TOTAL	3·77	3·30	3·08	0·77	1·57	2·90	3·31	·73	1·49	6·77	3·34	2·25	Year's Total 33·28	
* Days with .01 in. or more.	15	14	17	8	12	13	13	11	10	26	18	17	174	
* Days with .04 in. or more.	13	13	15	6	11	11	10	3	6	18	16	12	134	

rh late

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

Section **A** for the entry of Daily Observations

Station No. 4221/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FOR 1090

REGISTER OF RAINFALL IN 1933

Kept at Pencerrig, Nr. Builth

in the County of Rads.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·41	·53	·10	—	—	—	—	—	·02	·02	·18	·24		1
2	·78	—	·18	—	·10	·26	—	—	—	·02	·06	·15		2
3	·10	·33	·16	—	—	—	—	—	—	·06	·12	·12		3
4	·48	·23	·13	—	·10	—	—	—	—	—	·40	·02		4
5	·14	·05	·33	—	·06	—	—	—	—	—	—	—		5
6	·01	·20	·06	—	·15	—	·06	—	—	—	—	—		6
7	·33	·17	—	—	—	—	—	—	—	1·40	—	—		7
8	·09	·05	·06	—	·11	—	·87	—	—	·05	—	—		8
9	—	·07	—	—	·02	·02	1·06	—	—	·02	—	—		9
10	·17	·04	—	—	—	·08	·28	·02	—	·30	—	—		10
11	—	—	—	—	—	·59	·25	·03	—	·08	—	—		11
12	—	—	—	—	—	—	·22	—	—	·35	—	—		12
13	—	—	—	—	·08	—	·16	·28	—	·02	·01	·30		13
14	·45	—	—	—	—	—	·20	·02	—	·06	·19	·03		14
15	·15	—	·02	—	—	—	·02	·02	—	·02	—	·02		15
16	·03	—	·10	—	—	—	·03	—	—	—	—	·02		16
17	—	·12	·42	—	—	·07	·07	—	—	·18	—	—		17
18	·14	—	·43	—	—	·28	—	—	—	·01	·29	—		18
19	—	—	·14	—	—	·04	—	·02	·70	·17	—	—		19
20	—	·05	·54	—	·16	·12	—	·03	·35	·75	·10	·11		20
21	—	·02	·01	—	·17	·27	—	·10	·01	·94	·06	·08		21
22	—	—	—	·04	·30	·12	—	·18	·22	·51	·52	·17		22
23	—	—	—	·08	—	·30	—	—	·02	·03	·19	·21		23
24	—	—	—	·07	·07	·72	—	—	·01	·04	·06	—		24
25	—	—	—	·20	—	·03	—	—	·05	·66	·16	—		25
26	—	—	—	·06	·25	—	—	—	·13	·17	·08	·02		26
27	—	1·40	—	—	—	—	—	—	—	·10	·09	·01		27
28	—	·04	—	·27	—	—	·01	·02	—	—	·01	—		28
29	·05		·19	·03	—	—	—	—	—	·70	·34	·30		29
30	—	✕	·07	·02	—	—	·08	—	·28	·09	·48	·02		30
31	·44	✕	·10	✕	—	✕	—	·01	✕	·02	✕	·43		31
TOTAL	3·77	3·30	3·08	0·77	1·57	2·90	3·31	·73	1·49	6·77	3·34	2·25	Year's Total 33·28	
* Days with .01 in. or more.	15	14	17	8	12	13	13	11	10	26	18	17	174	
* Days with .04 in. or more.	13	13	15	6	11	11	10	3	6	18	16	12	134	

n/r late

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4221/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1934

Kept at Pencerrig, Nr. Builth

in the County of Rads

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·13	—	—	—	—	—	—	·30	—	·07	·20	·25		1
2	·01	—	·10	—	—	—	—	·17	·13	·02	·03	·44		2
3	·03	·01	·03	—	·05	—	—	·03	·26	·79	—	·48		3
4	·08	—	·31	·12	·18	—	—	—	·22	·47	·05	·40		4
5	—	—	·07	—	·25	—	—	·65	—	·05	·06	·28		5
6	·02	—	·03	—	·78	·02	—	·03	—	·26	—	·26		6
7	·15	—	—	—	·01	—	—	·01	—	·07	·02	·50		7
8	—	—	—	—	·10	—	—	—	·02	·03	·25	·85		8
9	—	—	·18	—	—	—	—	·17	·01	—	·43	·16		9
10	·30	·01	·09	·12	—	—	—	·21	—	—	·06	·10		10
11	·89	—	·17	·35	—	—	·17	·15	—	—	—	·17		11
12	·02	—	—	·02	—	—	·70	·04	—	—	—	·06		12
13	·70	—	—	·41	—	—	—	—	—	·11	—	·04		13
14	·08	—	·71	·01	—	·07	—	—	—	·17	·12	·33		14
15	·10	—	·22	—	·28	—	·01	·01	—	·37	·08	·32		15
16	·45	—	·32	—	·02	—	—	—	·24	·01	·03	·05		16
17	·24	—	·17	·28	·13	—	·21	—	·11	—	—	·49		17
18	·23	—	·11	·27	—	·02	—	·01	·06	·02	—	·47		18
19	—	—	·04	—	—	·08	—	·01	·12	·02	·01	·39		19
20	—	—	—	·03	·06	·02	·03	—	·01	·20	·01	·03		20
21	—	—	·03	·45	·07	·08	·08	·15	·01	·06	·01	·02		21
22	—	—	·03	—	—	—	—	·22	·40	·03	—	·15		22
23	—	—	·10	·26	—	·38	—	·15	—	·02	—	—		23
24	—	·25	·02	·01	·05	·03	—	—	·16	·40	—	—		24
25	·35	·01	—	·30	—	—	—	—	·21	·02	—	·75		25
26	·09	—	—	·28	—	19	—	—	·23	·05	·02	·12		26
27	—	—	—	·04	—	·23	—	·01	·03	·05	—	·16		27
28	—	—	—	·42	—	—	·19	·32	·16	·12	·04	·38		28
29	—		—	—	—	—	·41	·03	·12	·13	·02	·08		29
30	—	✕	—	—	—	—	·13	·12	·16	·16	—	·37		30
31	—	✕	—	✕	—	✕	·01	·09	✕	·14	✕	·17		31
TOTAL	3·87	0·28	2·73	3·37	1·98	1·12	1·94	2·88	2·66	3·84	1·44	8·27	Year's Total 34·38	
* Days with .01 in. or more.	17	4	18	16	12	10	10	21	19	26	17	29	199	nt late
* Days with .04 in. or more.	13	3	13	12	10	6	7	13	14	18	9	27	145	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section A **for the entry of Daily Observations**

Station No. 4221/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FOR 1090

REGISTER OF RAINFALL IN 1935

Kept at Penceirrig, Nr. Builth

in the County of Rads.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	·12	—	—	—	·09	—	·51	·12	·02	·41		1
2	—	·04	·06	—	—	—	—	—	·13	·17	·10	·19		2
3	·01	·10	·11	·02	—	·18	·01	—	·02	·15	·16	·07		3
4	·02	—	·11	·05	—	·03	—	—	—	·03	·03	·22		4
5	·04	·37	·07	·08	—	·17	—	—	·07	—	·12	·02		5
6	—	—	—	·32	—	·49	—	—	—	·09	·20	·17		6
7	—	—	—	·33	—	·66	—	—	—	·23	—	·19		7
8	·04	—	—	·27	—	·01	—	—	—	·21	·11	·10		8
9	·07	—	—	·71	—	·18	—	—	—	·69	·10	—		9
10	·01	—	—	·33	—	—	—	—	—	·08	·19	—		10
11	·34	·12	—	—	—	·21	—	·02	—	·08	·25	—		11
12	·02	·15	—	—	—	·19	—	·04	—	·01	·26	—		12
13	·04	·02	—	·15	·01	—	—	—	·05	·10	·60	—		13
14	—	·05	—	—	—	·06	—	—	·45	·01	1·00	·27		14
15	—	·87	—	·40	·02	·08	—	—	·23	·07	·17	·22		15
16	—	·24	—	·43	—	·16	·04	—	1·03	·22	·36	·29		16
17	—	·02	—	·12	·37	·17	·04	·13	·12	—	·07	—		17
18	—	·02	—	·30	·02	·07	—	·04	·65	·23	·01	—		18
19	—	·13	—	·09	·22	·36	·14	—	·10	·16	·17	—		19
20	—	·69	—	18	·31	·03	·02	—	—	—	·52	—		20
21	—	·55	·02	·04	—	—	—	—	·10	·06	·11	—		21
22	—	·06	·17	·04	—	—	—	—	·20	·01	—	—		22
23	·03	·20	·57	·01	—	—	—	·01	·05	·34	—	—		23
24	·15	·47	·02	·15	—	—	—	—	·83	·16	—	·20		24
25	·40	·01	—	·10	—	1·79	—	—	—	·04	·11	·05		25
26	—	·16	—	—	—	—	—	·72	·27	·12	·22	·23		26
27	—	·12	—	—	·05	—	·01	—	·33	·10	·02	·11		27
28	·02	·06	—	—	·01	—	—	·08	·17	·13	·02	·02		28
29	—		—	—	—	—	—	·01	·17	·16	·32	·43		29
30	—	✕	—	·08	—	·06	—	·15	·25	·65	·75	·20		30
31	—	✕	—	✕	—	✕	—	—	✕	·30	✕	·15		31
TOTAL	1·19	4·45	1·25	4·20	1·01	4·90	0·35	1·20	5·73	4·72	5·99	3·54	Year's Total 38·53	
* Days with .01 in. or more.	13	21	9	21	8	18	7	9	20	28	26	19	199	late
* Days with .04 in. or more.	7	17	7	19	4	15	4	6	19	24	21	17	160	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4221/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

For[illegible] 1090

REGISTER OF RAINFALL IN 1936

Kept at Pencerrig, Nr. Builth Wells
in the County of ....
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 6 in.
,, Ground ,, Sea Level .... ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·22	·16	—	·20	—	·22	·08	·01	—	—	·08	·01		1
2	—	·01	—	·05	—	·39	·02	·01	·06	—	·01	·01		2
3	·13	—	·01	—	—	—	·03	·01	·39	—	·01	·08		3
4	·01	—	·12	—	—	·10	—	·06	·62	—	·80	·25		4
5	·34	—	·12	—	·05	—	·11	·08	·04	—	·04	·18		5
6	·51	—	·01	—	—	·03	·17	·06	·03	—	·44	—		6
7	·41	—	·03	—	—	—	·33	—	·44	—	·50	·03		7
8	1·22	—	·13	—	—	—	·33	—	·01	—	·85	—		8
9	·08	—	·03	—	—	·01	1·00	—	·57	—	·11	—		9
10	—	·10	—	—	—	—	·10	—	—	—	·06	—		10
11	—	—	—	·04	—	·16	·02	·01	·10	·01	·83	·08		11
12	—	—	—	·02	·11	·10	·56	·01	·20	—	·01	·28		12
13	—	—	—	—	—	·02	·16	—	·05	·08	·08	1·71		13
14	—	—	—	·09	—	·08	·02	—	·12	—	·06	·47		14
15	·03	—	—	·02	·54	—	—	—	·01	—	·25	·10		15
16	·12	·15	—	·12	·23	—	·06	—	·01	—	·24	·10		16
17	—	·72	—	·02	·11	—	·54	·02	·01	·22	·03	·61		17
18	—	·25	—	—	—	—	·67	·03	—	·30	—	·06		18
19	·32	·02	·02	·22	—	·33	·05	·01	—	·03	—	—		19
20	·05	·15	·03	—	—	·93	—	—	·03	—	—	·01		20
21	—	—	·03	·44	—	·38	—	—	—	·02	—	—		21
22	·08	·10	·55	—	·11	·17	·35	—	—	—	—	·08		22
23	·06	·12	·25	·05	·02	—	·24	—	—	·06	—	—		23
24	·12	·02	—	·05	·06	—	·01	—	·23	·52	—	—		24
25	·14	·01	·10	·81	—	—	·52	—	·17	·32	·01	—		25
26	·22	·07	·17	—	—	·05	·33	—	—	·21	—	—		26
27	·11	·05	·02	—	—	—	·02	—	·05	·24	—	—		27
28	·43	·06	·28	—	—	·01	·18	—	—	·02	·04	·15		28
29	·05	·03	·18	—	·07	1·15	·03	—	—	·01	—	·18		29
30	·07	✕	·05	—	·12	·25	·06	—	—	·72	·01	·04		30
31	·45	✕	·20	✕	·17	✕	·10	—	✕	—	✕	·56		31
TOTAL	5·17	2·02	2·33	2·13	1·59	4·38	6·09	0·31	3·14	2·76	4·46	4·99	Year's Total 39·37	
* Days with .01 in. or more.	22	16	19	13	11	17	27	11	19	14	20	20	209	
* Days with .04 in. or more.	20	11	11	10	10	13	20	3	13	9	14	16	150	

[illegible] late

† Spare column, no entries required.

*See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4221/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Pencerrig, Nr. Builth Wells

in the County of ....

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level .... ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·16	·17	—	·01	—	—	·02	—	·05	·16	·04	·21		1
2	·17	·65	—	·02	—	—	—	—	·05	—	—	·62		2
3	·02	·30	—	—	·26	·11	—	—	·01	—	—	—		3
4	·17	·10	·01	·06	·26	·03	—	·16	—	—	—	1·09		4
5	·91	·02	·05	·11	—	—	·07	—	—	—	—	·06		5
6	·36	·10	·01	·16	·06	—	—	—	·01	—	·02	—		6
7	—	·40	·02	·24	—	·05	—	—	·04	—	·02	—		7
8	—	·28	—	·01	·05	·18	·21	—	·04	—	·19	—		8
9	—	·04	—	·02	·01	—	·03	·02	·42	—	—	—		9
10	·04	·12	·01	·04	—	·05	—	—	—	—	—	·37		10
11	·03	·04	·32	·05	·08	·32	·30	—	—	—	—	·05		11
12	·58	·32	·03	—	—	·10	·01	·14	·21	—	—	·10		12
13	·17	·03	—	·35	—	·13	—	·03	·22	—	—	·17		13
14	—	·03	·02	·02	—	—	—	·02	·03	—	·01	·06		14
15	·39	·23	·03	·44	—	—	·91	—	·19	—	—	·25		15
16	·17	·27	·58	·12	—	—	—	·24	·12	—	—	—		16
17	·68	·10	·42	—	—	—	—	—	·36	—	·02	—		17
18	·18	·17	·46	—	—	·06	·10	—	·70	—	·16	·15		18
19	·17	·10	·05	·12	—	·09	·22	—	·05	—	·10	—		19
20	·80	·21	·16	·15	—	·09	·14	—	—	—	—	·07		20
21	·44	·30	·05	·55	·13	—	·08	—	—	·16	—	·01		21
22	·12	·03	·01	·15	·20	—	·44	—	—	·38	·17	·08		22
23	·14	·14	—	—	·10	—	·02	—	—	·12	·18	—		23
24	·42	·26	·12	—	—	—	—	—	—	·42	—	·09		24
25	·01	·65	—	—	01	—	—	—	·10	·16	—	·03		25
26	—	·43	·02	—	·25	—	—	—	—	·01	—	—		26
27	—	·32	—	—	—	—	—	—	—	·25	—	—		27
28	—	·02	—	·22	—	·01	—	—	—	·08	—	—		28
29	—		—	—	—	—	—	—	—	1·07	·10	—		29
30	·15	✕	—	—	—	·01	—	—	·01	·01	·25	—		30
31	·31	✕	—	✕	—	✕	—	—	✕	·33	✕	—		31
TOTAL	6·69	5·83	2·37	2·84	1·41	1·23	2·55	0·61	2·61	3·15	1·26	3·41	Year's Total 33·96	late
* Days with .01 in. or more.	23	28	18	19	11	13	13	6	17	12	12	16	188	
* Days with .04 in. or more.	20	23	9	14	9	10	9	3	13	10	8	14	142	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4221/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Builth

Kept at Pencerrig

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level about 750 ft.

Back yrs 1937-7 recd 9/38

~~1937~~

Dups

✓ W.S.R.

467239/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·00	·08	·00	·00	·00	·63	1·10	·13	·00	·30	·08	·39		1
2	·00	·05	·00	·13	·08	·01	·09	·04	·00	·19	·02	·05		2
3	·00	·00	·00	·00	·07	·03	·35	·00	·00	·88	·02	·00		3
4	·01	·00	·01	·00	·00	·00	·43	·42	·00	·72	·09	·21		4
5	·00	·00	·00	·00	·00	·00	·04	·12	·12	·21	·00	·07		5
6	·18	·00	·00	·00	·00	·42	·76	·02	·18	·52	·02	·17		6
7	·14	·00	·00	·00	·00	·00	·26	·13	·10	·16	·00	·10		7
8	·25	·00	·00	·00	·00	·00	·03	·11	·00	·73	·00	·08		8
9	·42	·12	·00	·00	·00	·37	·03	·20	·00	·00	·00	1·04		9
10	·13	·00	·00	·00	·00	·00	·31	·64	·00	·11	·00	·31		10
11	·71	·00	·00	·00	·00	·02	·04	·03	·00	·04	·38	·33		11
12	·44	·00	·00	·00	·18	·00	·00	·00	·00	·45	·93	·28		12
13	·03	·00	·00	·00	·05	·00	·00	·00	·00	·05	·42	·25		13
14	1·31	·00	·00	·00	·05	·00	·12	·00	·01	·00	·02	·01		14
15	·34	·00	·01	·00	·71	·00	·01	·02	·00	·00	·02	·41		15
16	·43	·00	·04	·00	·05	·00	·00	·00	·00	·05	·05	·01		16
17	·00	·01	·00	·00	·00	·00	·00	·00	·19	·14	·03	·00		17
18	·15	·00	·00	·00	·00	·03	·00	·28	·18	·09	·48	·00		18
19	·03	·00	·00	·00	·00	·00	·00	·05	·01	·00	·43	·00		19
20	·12	·00	·02	·00	·00	·00	·00	·03	·00	·00	·27	·00		20
21	·00	·00	·01	·00	·00	·00	·00	·12	·03	·00	·20	·00		21
22	·05	·00	·00	·04	·00	·01	·00	·07	·00	·00	·32	·00		22
23	·02	·00	·00	·01	·00	·01	·39	·01	·01	·00	·11	·00		23
24	·18	·13	·18	·00	·17	·02	·02	·33	·01	·05	·11	·00		24
25	·05	·17	·01	·00	·11	·01	·09	·05	·00	·36	1·07	·07		25
26	·24	·55	·07	·00	·20	·59	·06	·00	·00	·35	·03	·02		26
27	·22	·22	·00	·00	·60	·03	·42	·34	·16	·01	·50	·00		27
28	·08	·25	·00	·00	·00	·55	·03	·06	·06	·00	·06	·00		28
29	·42	—	·00	·00	·41	·00	·06	·00	·02	·08	·11	·15		29
30	·20		·00	·00	·07	·01	·00	·00	·22	·00	·42	·20		30
31	·25		·00		·25		·00	·00		·29		·40		31
													Year's Total	
TOTAL	6·40	1·58	0·35	0·18	3·00	2·74	4·64	3·20	1·30	5·78	6·19	4·55	39·91	
* Days with .01 in. or more.	25	9	8	3	14	15	20	21	14	21	25	20	195	
* Days with .04 in. or more.	21	8	3	2	14	6	15	16	8	20	19	17	149	

Print GB 27/4/39

L. EVAN-THOMAS ESQ *

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

* Per River Wye Catchment Bd

(Signed) [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 4221/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Pencerrig

in the County of Radnor

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 750 ft.

Dyfy

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0·04	·00	·42	·52	·08	·00	·00	·00	·00	·00	·02	·11		1
2	·00	·00	·00	·02	·00	·00	·02	·36	·15	·00	·06	·14		2
3	·17	·00	·14	·42	·00	·00	·00	·06	·18	·00	·02	·62		3
4	·00	·00	·18	·35	·17	·00	·32	·00	·00	·18	·14	·30		4
5	·00	·00	·00	·62	·00	·00	·58	·02	·00	·15	·60	·00		5
6	·65	·04	·12	·00	·00	·00	·72	·01	·00	·00	·36	·00		6
7	·18	·15	·05	·00	·00	·00	·50	·05	·00	·00	·44	·31		7
8	·07	·39	·28	·00	·11	·00	·42	·01	·00	·38	·87	·03		8
9	·05	·40	·01	·00	·00	·00	·00	·54	·01	·20	·00	·28		9
10	·50	·01	·01	·00	·00	·00	·00	·00	·18	·26	·00	·12		10
11	·01	·17	·06	·00	·00	·00	·00	·00	·00	·01	·00	·00		11
12	·15	·08	·00	·08	·00	·00	·00	·00	·12	·04	·05	·00		12
13	·00	·00	·00	·23	·07	·00	·66	·00	·02	·07	·41	·00		13
14	1·05	·00	·02	·02	·10	·12	·10	·00	·00	·05	·23	·00		14
15	·52	·02	·00	·11	·01	·54	·23	·00	·00	·00	·46	·00		15
16	·19	·01	·00	·01	·12	·00	·11	·00	·00	·00	·02	·00		16
17	·62	·08	·00	·00	·00	·22	·01	·00	·00	·04	·00	·00		17
18	·14	·06	·00	·00	·00	·15	·39	·01	·00	·00	·72	·00		18
19	·16	·01	·00	·00	·00	·00	·73	·18	·00	·60	·00	·00		19
20	·34	·24	·30	·00	·00	·00	·11	·25	·00	·00	·00	·00		20
21	·10	·78	·13	·07	·00	·11	·15	·00	·00	·00	·00	·00		21
22	·48	·12	·01	·02	·00	·32	·02	·00	·01	·03	·79	·00		22
23	·00	·02	·01	·08	·00	·07	·40	·00	·00	·10	·46	·00		23
24	·18	·12	·01	·00	·00	·01	·00	·00	·00	·10	·00	·00		24
25	·15	·00	·00	·00	·00	·00	·07	·00	·00	·14	1·54	·00		25
26	·02	·00	·00	·06	·00	·00	·00	·18	·00	·00	·53	·00		26
27	·01	·48	·03	·00	·00	·24	·12	·30	·00	·00	·13	·01		27
28	·02	·25	·04	·00	·00	·29	·76	·03	·00	·00	·32	·00		28
29	·00	·00	·00	·24	·00	·34	·85	·00	·00	·11	·22	·00		29
30	·00	×	·00	·01	·00	·15	·17	·02	·00	·05	·15	·12		30
31	·00	×	·00	×	·00	×	·03	·08	×	·07	×	·00		31
TOTAL	5·80	3·43	1·82	2·86	0·66	2·56	7·52	2·10	·67	1·98	8·54	2·04	Year's Total —	39·98
* Days with .01 in. or more.	23	19	17	16	7	12	23	15	7	17	22	10	188	
* Days with .04 in. or more.	19	14	10	11	6	11	19	9	4	15	19	8	145	

† Spare column, no entries required.

*See Instruction 3 (f) on other side.

(*Signed*) ....

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4221/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1930

Kept at Pencerrig

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level about 750 ft.

Jan & Feb apportion'd from nearby stns.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.00	.00	.00	.04	.17	.00	.00	.00	.00	.00	.45	.05		1
2	.00	.00	.00	.22	.00	.00	.02	.00	.00	.00	2.11	.18		2
3	.00	(.29)	.00	.01	.00	.00	.01	.00	.00	.06	1.10	.04		3
4	.00	.22	.00	.00	.00	.00	.00	.00	.00	.13	.05	.07		4
5	.00	.00	.00	.00	.16	.00	.02	.00	.00	.46	.42	.20		5
6	.21	.36	.00	.00	.00	.00	.02	.00	.03	.44	.02	.28		6
7	.03	05 .06	.00	.01	.00	.00	.05	.00	.00	.38	.00	.12		7
8	.00	.00	.00	.00	.03	.00	.10	.00	.05	.32	.08	.33		8
9	.00	.00	.00	.00	.00	.00	.71	.10	.00	.27	.87	.32		9
10	.00	.06	.00	.00	.00	.00	.52	.01	.00	.10	.04	.42		10
11	.00	.00	.00	.00	.00	.00	.83	.00	.00	.00	1.25	.05		11
12	.00	.00	.34	.00	.00	.11	.15	.00	.37	.00	.25	.00		12
13	.00	.00	.14	.03	.00	.00	.01	.01	.02	.00	.02	.17		13
14	.00	.10	.00	.10	.00	.00	.01	.01	.03	.33	.03	.44		14
15	.00	.00	.02	.06	.92	.10	.07	.00	.15	.02	.28	.05		15
16	.00	.30	.16	.10	.00	.00	.12	.00	.46	.23	.66	.04		16
17	.00	.04	.50	.00	.00	.00	.06	.01	.07	.01	.12	.00		17
18	.23	.43	.75	.51	.00	.00	.00	.00	.11	.00	.01	.20		18
19	.00	.08	.16	.08	.00	.00	.32	.08	.22	.00	.19	.00		19
20	.00	.00	.02	.11	.00	.00	.39	.00	.00	.16	.05	.00		20
21	.00	.00	.09	.00	.12	.43	.00	.00	.00	.00	1.45	.00		21
22	.00	.32	.09	.08	.00	.29	.00	.00	.06	.00	.01	.00		22
23	.00	.08	.13	.11	.05	.01	.04	.00	.02	.00	.03	.00		23
24	.00	00 .00	.00	.00	.03	.00	.05	.00	.00	.00	.00	.00		24
25	.10	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00		25
26	1.15	.27	.00	.20	.34	.00	.21	.01	.00	.00	.02	.00		26
27	.48	.21	.00	.12	.02	.00	.16	.00	.00	.00	.01	.00		27
28	4 .00	.06	.00	.36	.10	.00	.00	.00	.00	.00	.00	.01		28
29	.00	.00	.09	.15	.00	.05	.03	.00	.00	.00	.00	.42		29
30	(.40) .00	✕	.02	.44	.01	.00	.00	.00	.00	.45	.00	.01		30
31	4 .00	✕	.32	✕	.04	✕	.00	.00	✕	1.10	✕	.00		31
TOTAL	2.60 ~~2.20~~	2.57 ~~2.97~~	2.83	2.71	2.13	.99	3.90	.23	1.59	4.46	9.52	3.40	Year's Total 36.93	
* Days with .01 in. or more.	8 6	15	14	18	13	6	22	7	12	15	24	19	174 ~~173~~	
* Days with .04 in. or more.	7 5	14	11	15	9	5	15	2	8	13	16	17	133 ~~132~~	

† Spare column, no entries required.

L Evan Thomas

(~~Signed~~) Per R. Wye & Bird.......................... [P.T.O.

* See Instruction 3 (f) on other side.

X BUILTH RD. (ST JOHN'S

(4222)

Radnor/1

4222

BUILTH RD. ST JOHNS' VICARAGE

1932—35

780803

FORM 1090. **B**

, The following register of mo
&c., is NOT required if daily
values are given on the other

and also the space for

register should be sent:—

RAINFALL IN 193

At St John's Vicarage

In the County of Rad

uilth Wells

in Summer 9·30 a.m.

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 f
Height of Ground above Sea Level

e 1/2 mile Direction from gauge S.E.

e 200 yds Direction from gauge S.

Month.	Total Depth.	Greatest Fall in 24 hours.		Days with ·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	6·58	1·00	9th	21	16
FEB.	·27	·07	9th	8	3
MAR.	2·62	·53	29th	11	11
APRIL	4·61	·66	4th	25	20
MAY	5·35	1·65	1st	24	21
JUNE	1·24	·70	30th	5	4
JULY	2·57	·48	13th	19	15
AUG.	1·80	·50	29th	11	7
SEPT.	3·49	·59	22	17	13
OCT.	7·65	1·42	7th	29	24
NOV.	3·67	·56	22nd	22	17
DEC.	2·58	·43	31st	21	13
Total	42·43			213	164

Distances ..	33 yds	13 yds		
Directions from gauge ..	N.	N.		

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

1931 NR. OK previously

Print ?

Signature J. L. Bryans

X REV CANON J. L. BRYANS. X

O.K. Print.

Av 41·9

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

N

X BUILTH RD. (ST JOHNS

(4222)

Radnor/1

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At St. John's Vicarage Builth Rd.

In the County of Radnor

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* — *in.*
Height of Ground above Sea Level 550 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	6·58	1·00	9th	21	16
FEB.	·27	·07	9th	8	3
MAR.	2·62	·53	29th	11	11
APRIL	4·61	·66	4th	25	20
MAY	5.35	1·65	1st	24	21
JUNE	1·24	·70	30th	5	4
JULY	2·57	·48	13th	19	15
AUG.	1·80	·50	29th	11	7
SEPT.	3·49	·59	22	17	13
OCT.	7·65	1·42	7th	29	24
NOV.	3·67	·56	22nd	22	17
DEC.	2·58	·43	31st	21	13
Total	42·43			213	164

Signature J. L. Bryans

X REV CANON J.L. BRYANS. X

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Canon J. L. Bryans
St. John's Vicarage - Builth Wells

Hour of observation by the clock—in Winter 9. 30 a.m. in Summer 9.30 a.m.

Nearest Railway Station Builth Road Distance 1/2 mile Direction from gauge S.E.

Nearest Parish Church at St. John's, Builth Rd. Distance 200 yds Direction from gauge S.

Nature of objects nearest to gauge	Oak tree	Wall		
Heights of objects	40 ft	11 ft		
Distances ..	33 yds	13 yds		
Directions from gauge ..	N.	N.		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

1931 NR OK previously

Print ✓

O.K. Print.

Av 41.9

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed ~~in *italic type*~~:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110

N

4222

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933

At St. John's Vicarage Builth Road

In the County of Radnor

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* — *in.*
Height of Ground above Sea Level 550 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	3·85	·49	4th	19	13
FEB.	4·50	·57	4th	17	17
MAR.	3·05	·47	14th	16	14
APRIL	·82	·77	28th	3	2
MAY	1·96	·34	20th	13	11
JUNE	4·08	·91	21st	13	12
JULY	3·73	1·27	9th	13	11
AUG.	·97	·37	13th	9	8
SEPT.	1·32	·33	19th	12	7
OCT.	6·46	1·90	10th	21	18
NOV.	1·07	·42	19th	9	7
DEC.	1·17	·55	1st	11	7
Total	32·98			156	127

Signature J. L. Bryans

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
Canon Bryans
St. John's Vicarage. Builth Wells

Hour of observation by the clock—in Winter 9 a.m. in Summer —

Nearest Railway Station Builth Rd. Distance ½ mile Direction from gauge Sth

Nearest Parish Church at S. John's, Llechryd 100 yards Distance South Direction from gauge —

Nature of objects nearest to gauge	oak tree	Wall		
Heights of objects	40 ft	11 ft		
Distances ..	33 yards	13 yards		
Directions from gauge ..	North	North		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Average fall for 29 years
43·32

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent,
Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

5 JAN 1934

D

Station Number 4222

4222

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1934.

At St John's Vicarage, Builth Rd

In the County of Radnor

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 550 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	4·17	·90	11th	21	14
FEB.	·35	·26	24th	3	2
MAR.	3·35	·80	14th	23	19
APRIL	3·85	·55	21st	18	14
MAY	2·16	·79	6th	14	11
JUNE	1·31	·39	23rd	13	8
JULY	2·46	·53	12th	11	8
AUG.	3·29	·69	5th	24	17
SEPT.	2·59	·43	22nd	19	16
OCT.	4·39	·77	3rd	27	22
NOV.	1·80	·57	9th	14	11
DEC.	9·09	·80	8th	31	27
Total	38.81 ✓			218	169

Signature J. L. Bryans

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Canon J. L. Bryans
St John's Vicarage, Builth Wells

Hour of observation by the clock—in Winter 9.30 a.m. in Summer 9.30 a.m.

Nearest Railway Station Builth Road Distance ½ mile Direction from gauge South

Nearest Parish Church at Builth Road Distance 200 yds Direction from gauge South

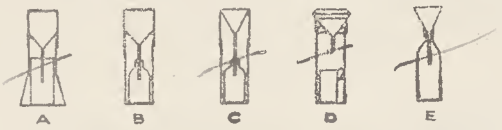
Nature of objects nearest to gauge	Oak Tree	Wall		
Heights of objects	40 ft.	11 ft.		
Distances ..	33 yds.	13 yards	–	
Directions from gauge ..	North	North		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

MO 1935

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4222

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At St John's Vicarage, Builth Road

In the County of Radnor

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 550 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1.64	·55	25th	20	11
FEB.	4·87	·92	15th	23	19
MAR.	1·46	·72	23rd	12	7
APRIL	4·56	·62	9th	20	19
MAY	1·19	·50	20th	9	6
JUNE	4·64	1·59	25th	21	16
JULY	– ·42	– ·12	19th	8	5
AUG.	1·78	·75	26th	8	6
SEPT.	6·10	1·00	16th	23	19
OCT.	5·39	·81	9th	29	23
NOV.	6·49	1·00	14th	28	24
DEC.	3·95	·46	1st	20	19
TOTAL	42·49			221	177

Signature J. L. Bryans

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Canon Bryans
St John's Vicarage, Builth Wells

Hour of observation by the clock—in Winter 9.30 a.m. in Summer 9 a.m.

Nearest Railway Station Builth Rd Distance ½ mile Direction from gauge S.E.

Nearest Parish Church at Builth Rd Distance 200 yds Direction from gauge S.

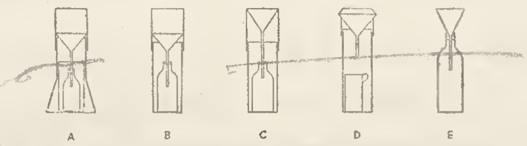
Nature of objects nearest to gauge	Oak tree	Wall		
Height of objects	40 ft.	11 ft		
Distances ...	33 yds	13 yds		
Directions from gauge ...	N.	N.		

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and E.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
8 JAN 1936

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

- (a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*
- (b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\Big\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.
- (e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*
- (g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

Llansaintfraed - in

4222/3

LLANSAINFTRAED

1939 — 40

780803

Section **A** for the entry
AIR MINIST

Station No. 4222/3.
LL ORGANIZATION

FORM 1090

REGI

Kept at POLICE STATION, H
in the County of RADN
Diameter of Funnel of Gauge.....
Height of top of Gauge above G
,, Ground ,, Se

THE MORNING MEASU DAY

An observer who does not conform *following*
year in the space on the right of t
Pl

Jan. 1, following

Date	Jan.	Feb.	Mar.	A				Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						—	·02	·01	—	—	·17	·04		1
2						—	·03	·33	—	—	·03	·29		2
3						—	—	·02	·26	—	·07	·65		3
4						—	·33	·01	·16	—	·02	·32		4
5						—	·56	—	—	·14	·36	—		5
6						—	·75	—	—	·28	·27	—		6
7						—	·47	·05	—	—	·17	·38		7
8						—	·44	—	—	Tr	·56	·02		8
9						—	—	·52	Tr	—	·64	·28		9
10						·01	—	·01	·16	·49	·01	·27		10
11						·02	—	—	—	·19	—	·01		11
12						·02	—	—	—	·16	—	—		12
13						·11	·43	—	·04	·30	·05	—		13
14						·55	·04	—	·09	·03	·29	—		14
15						—	·28	—	—	—	·27	—		15
16						Tr.	·12	—	—	—	·42	—		16
17						·31	·34	—	—	—	·02	—		17
18						·32	Tr.	—	—	·05	·70	—		18
19						—	·80	·01	—	—	·01	—		19
20						—	·94	·27	—	—	—	·02		20
21						·21	·03	·01	·03	—	—	—		21
22						Tr.	·09	—	—	—	·66	—		22
23						·07	·30	—	·04	—	—	—		23
24						—	Tr.	—	—	—	·34	—		24
25						·02	·11	—	—	·16	1·44	—		25
26						—	—	·30	Tr.	·26	·21	—		26
27						·24	·12	·13	·14	—	·48	—		27
28						·22	·71	·13	·02	—	·05	—		28
29						·07	·79	—	Tr	·04	·19	·01		29
30		✕				Tr.	·12	Tr	—	·24	·24	·18		30
31		✕		✕		✕	·03	—	✕	·06	✕	Tr.		31
TOTAL						2·17	7·88	1·80	·94	2·40	7·64	2·47	Year's Total ~~25·33~~	
* Days with .01 in. or more.						13	23	13	9	13	25	12	~~108~~	
* Days with .04 in. or more.						9	19	7	7	12	20	8	~~82~~.	

Gauge installed at site on June 1st 1939.

* percentage Catchment Bd

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) A. W. Creed.

P.T.O.

Llansaintfraed-in

Section **A** for the entry of Daily Observations

Station No. 4222/3.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at POLICE STATION, HUNDRED HOUSE.
in the County of RADNOR.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 673 ~~20~~ ft.

f 4 67229/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						—	·02	·01	—	—	·17	·04		1
2						—	·03	·33	—	—	·03	·29		2
3						—	—	·02	·26	—	·07	·65		3
4						—	·33	·01	·16	—	·02	·32		4
5						—	·56	—	—	·14	·36	—		5
6						—	·75	—	—	·28	·27	—		6
7						—	·47	·05	—	—	·17	·38		7
8						—	·44	—	—	Tr	·56	·02		8
9						—	—	·52	Tr	—	·64	·28		9
10						·01	—	·01	·16	·49	·01	·27		10
11						·02	—	—	—	·19	—	·01		11
12						·02	—	—	—	·16	—	—		12
13						·11	·43	—	·04	·30	·05	—		13
14						·55	·04	—	·09	·03	·29	—		14
15						—	·28	—	—	—	·27	—		15
16						Tr.	·12	—	—	—	·42	—		16
17						·31	·34	—	—	—	·02	—		17
18						·32	Tr.	—	—	·05	·70	—		18
19						—	·80	·01	—	—	·01	—		19
20						—	·94	·27	—	—	—	·02		20
21						·21	·03	·01	·03	—	—	—		21
22						Tr.	·09	—	—	—	·66	—		22
23						·07	·30	—	·04	—	—	—		23
24						—	Tr.	—	—	—	·34	—		24
25						·02	·11	—	—	·16	1·44	—		25
26						—	—	·30	Tr.	·26	·21	—		26
27						·24	·12	·13	·14	—	·48	—		27
28						·22	·71	·13	·02	—	·05	—		28
29						·07	·79	—	Tr	·04	·19	·01		29
30		✕				Tr.	·12	Tr.	—	·24	·24	·18		30
31		✕		✕		✕	·03	—	✕	·06	✕	Tr.		31
TOTAL						2·17	7·88	1·80	·94	2·40	7·64	2·47	Year's Total ~~25·33~~	
* Days with .01 in. or more.						13	23	13	9	13	25	12	~~108~~	
* Days with .04 in. or more.						9	19	7	7	12	20	8	~~82~~.	

Gauge installed at site on June 1st 1939.

* per Wye Catchment Bd

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) A. W. Creed.

P.T.O.

LLANSAINTFRAED-IN-ELVEL

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4222/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Police Station, Hundred Ho.
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
" Ground " Sea Level 673 ft.

Feb 6-7 apportioned by nearby stns N/p 1939

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	03	·06	–	–	–	–	–	·38			1
2	–	·03	–	22	–	–	·03	–	–	–	2·08	4		2
3	–	·26	–	·07	–	–	·02	–	–	·15	1·10	4		3
4	–	·18	–	02	–	–	·01	–	–	·16	·04	4		4
5	–	–	–	–	·10	–	·06	–	04	·37	·59	1·50		5
6	·20	~~·06~~ ·26	–	–	–	–	·11	–	–	·29	–	4		6
7	–	~~·49~~ ·29	–	·03	·02	–	·08	–	·02	·32	–	4		7
8	–	–	–	–	·14	–	·03	–	04	·51	·06	4		8
9	–	–	–	·03	–	–	·70	·01	–	·24	1·01	4		9
10	–	–	tr	–	–	–	·63	·13	–	·13	·06	·38		10
11	–	–	·01	–	–	tr	1·10	–	–	–	·95	–		11
12	–	–	·25	–	–	·07	·32	tr	·44	·03	·20	–		12
13	–	·01	21	·02	–	–	tr	·01	–	–	·01	·32		13
14	–	·04	tr	·06	·01	–	–	·03	tr	·49	·07	·39		14
15	tr	–	·04	·08	1·09	·17	–	–	·10	·13	·29	·06		15
16	·01	·21	·16	·10	–	–	·03	–	65	·35	·79	·03		16
17	–	·04	·40	·05	–	–	·25	–	·06	–	·01	·01		17
18	·24	·42	·79	·75	–	–	·47	–	·14	·01	·04	·19		18
19	–	·08	·38	·11	–	–	·11	·03	06	–	·16	·01		19
20	–	–	·02	·09	–	–	·01	·06	–	–	·08	–		20
21	–	tr	·07	–	·17	·50	–	–	–	tr	1·41	–		21
22	–	tr	·04	·10	TR	Tr	–	–	·05	–	·01	–		22
23	–	·09	·22	·10	·25	–	·05	–	·01	·13	–	–		23
24	–	tr	–	–	·03	–	·07	–	–	tr	tr	–		24
25	·17	–	–	·01	·06	·01	–	–	–	–	–	–		25
26	1·19	·25	–	30	·52	tr	·25	–	–	–	·01	–		26
2-36 27	·71	·26	–	·05	·02	–	·17	–	–	–	·17	–		27
28	·21	·06	–	·10	·07	–	–	·02	–	–	–	·01		28
29	·03	–	·11	·15	–	·06	·05	tr	–	·01	–	·32		29
30	·01	✕	–	·50	·03	–	–	–	–	·46	·01	–		30
31	·04	✕	·31	✕	–	✕	–	–	✕	1·07	✕	·01		31
TOTAL	2·81	2·48	3·01	2·97	2·57	·81	4·55	·29	1·61	4·85	9·53	3·23	Year's Total 38·71	
* Days with .01 in. or more.	10	15	14	22	14	5	21	7	11	17	23	19	178	
* Days with .04 in. or more.	7	13	12	16	9	4	15	2	9	14	18	13	132	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) E. W. Creed*

[P.T.O.

* Per R. Wye C. Brd.

LLANFIHANGEL-N

4222/5

LLANFIHANGEL
1939 — 40

780803

Section A for the e
AIR MI

Station No. 4222/5
NFALL ORGANIZATION

FORM 1090
RE
939

Kept at Llanfiha
in the County of Ra
Diameter of Funnel of Gaug
Height of top of Gauge ab
,, Ground ,,

1938

7237/35

THE MORNING ME … OUS DAY

An observer who does not co … f the following year in the space on the rig

Jan. 1, following

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.18	.04	.32	.36 ×	.23	—	.06 ✓	.08	—	—	.10	.08		1
2	—	—	—	×	—	—	✓	.39	.57 ×	.04	.13	.85		2
3	.02	—	—	.65	—	—	—	.10	×	—	.15	×		3
4	—	—	.50 ×	.33	.29	—	.33	—	—	.47	.99 ×	.30		4
5	—	—	×	.23	—	—	.60	—	—	.34	×	.02		5
6	.75	—	.09	—	—	—	.82	—	—	—	.26	—		6
7	.14	.09	—	—	—	—	.32	—	—	.76 ×	.70	.41		7
8	×	.43	.44	—	.02	—	.60 ×	.14	—	×	.58	.10		8
9	—	.26	—	—	—	—	—	.54	.24 ×	.28	.16	.74 ×		9
10	.81	—	—	—	—	.05 ×	—	.02	×	.38	—	×		10
11	.04	.35 ×	.18 ×	—	—	✓	—	—	—	.02	—	.07		11
12	.14	×	—	.07	—	.01	—	—	.01	—	—	—		12
13	—	—	—	.49	.04 ×	—	.27	—	.15	.05	—	—		13
14	1.49 ×	—	—	—	—	.14	.21	—	.02	.10 ×	.33	.03		14
15	×	—	.02	.73	.02	.60	.80 ×	—	.06	✓	.52	—		15
16	.05	—	.03	×	.20	.02	×	—	—	—	.36	—		16
17	.84	.05	—	—	—	.45 ×	—	—	—	.06	.04	—		17
18	.32	.04	.04	—	—	×	.45	—	—	—	.72 ×	—		18
19	.19	✓	×	—	—	—	.36	.11	—	.01	✓	—		19
20	.17	—	—	—	.08 ×	—	.56	×	—	—	—	.07		20
21	.73 ×	.21	.24	.07	×	.04	.20	.01	.05	—	—	—		21
22	×	.71	.13	.14 ×	—	.07	.57 ×	.02	.06	—	.77	—		22
23	.09	.18	.08	×	—	—	×	—	—	.07	.43	—		23
24	.04	.01	.01	.01	—	.11 ×	.02	—	—	.06	—	—		24
25	—	.23 ×	—	.02	—	✓	.11	—	—	.11	1.50 ×	—		25
26	.31	×	—	.12	—	—	—	.77 ×	—	—	×	—		26
27	.18	.78	.05	—	—	.18	.10	✓	—	—	.11	.04		27
28	—	.34	.04	—	—	.22	.80	—	—	.76	.30	.13		28
29	—	✕	—	.26 ×	—	.33	.76 ×	—	—	×	.12	—		29
30	—	✕	—	×	—	—	×	—	—	—	.14	.70		30
31	.07	✕	.01	✕	—	✕	.03	.21	✕	.30	✕	×		31
TOTAL	6.56	3.72	2.18	2.88	.88	2.22	7.91	1.79	1.16	3.21	3.41	2.89	Year's Total 43.8	Print
* Days with .01 in. or more.	21	17	16	17	8	15	24	12	10	19	23	16	23	(198)
* Days with .04 in. or more.	20	14	12	15	6	12	20	8	8	16	22	14	167	(167)

× by Wye Catchment Board
‡ by courtesy of Local County Council

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) C. J. Edwards

[P.T.O.

LLANFIHANGEL-N

Section **A** for the entry of Daily Observations

Station No. 4222/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Llanfihangel Nantmelan

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. ... in.

" Ground " Sea Level 982 ft.

[illegible] 1938

f ·467239/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.18	.04	.32	.36 x	.23	—	.06 ✓	.08	—	—	.10	.08		1
2	—	—	—	x	—	—	✓	.39	.57 x	.04	.13	.80 x		2
3	.02	—	—	.65	—	—	—	.10	x	—	.15	x		3
4	—	—	x .50	.33	.29	—	.33	—	—	.47	.99 x	.30		4
5	—	—	x	.23	—	—	.60	—	—	.34	x	.02		5
6	.75	—	.09	—	—	—	.82	—	—	—	.26	—		6
7	.14	.09	—	—	—	—	.32	—	—	x .76	.70	.41		7
8	x	.43	.44	—	.02	—	x .60	.14	—	x	.58	.10		8
9	—	.26	—	—	—	—	—	.54	.24 x	.28	.16	.74 x		9
10	.81	—	—	—	—	x .05	—	.02	x	.38	—	x		10
11	.04	.35 x	.18 x	—	—	✓	—	—	—	.02	—	.07		11
12	.14	x	—	.07	—	.01	—	—	.01	—	—	—		12
13	—	—	—	.49	.04 x	—	.27	—	.15	.05	—	—		13
14	1.49 x	—	—	—	—	.14	.21	—	.02	.10 x	.33	.03		14
15	x	—	.02	.73 x	.02	.60	.80 x	—	.06	✓	.52	—		15
16	.05	—	.03	x	.20	.02	x	—	—	—	.36	—		16
17	.84	.05	—	—	—	.45 x	—	—	—	.06	.04	—		17
18	.32	.04	.04	—	—	x	.45	—	—	—	.72 x	—		18
19	.19	✓	x	—	—	—	.36	.11	—	.01	✓	—		19
20	.17	—	—	—	.08 x	—	.56	x	—	—	—	.07		20
21	.73 x	.21	.24	.07	x	.04	.20	.01	.05	—	—	—		21
22	x	.71	.13	.12 x	—	.07	.57 x	.02	.06	—	.77	—		22
23	.09	.18	.08	x	—	—	x	—	—	.07	.43	—		23
24	.04	.01	.01	.01	—	.11 x	.02	—	—	.06	—	—		24
25	—	.23 x	—	.02	—	✓	.11	—	—	.11	1.50 x	—		25
26	.31	x	—	.12	—	—	—	.17 x	—	—	x	—		26
27	.18	.78	.05	—	—	.18	.10	✓	—	—	.11	.04		27
28	—	.34	.04	—	—	.22	.80	—	—	.76 x	.30	.13		28
29	—	✕	—	.26 x	—	.33	.76 x	—	—	x	.12	—		29
30	—	✕	—	x	—	—	x	—	—	—	.14	.70		30
31	.07	✕	.01	✕	—	✕	.03	.21	✕	.30	✕	x		31
TOTAL	6.56	3.72	2.18	2.88	.88	2.22	7.91	1.79	1.16	3.21	8.41	2.89	Year's Total 43.81	Print
* Days with .01 in. or more.	21	17	16	17	8	15	24	12	10	19	23	16	2?	(198)
* Days with .04 in. or more.	20	14	12	15	6	12	20	8	8	16	22	14	17	(167)

* [illegible] Board

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

‡ by courtesy of Local County Council

(Signed) C. J. Edwards

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4222/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1190

REGISTER OF RAINFALL IN 1940

Kept at Llanfihangel Nantmelan

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 982 ft.

Jan 26-31 apportioned for daily values

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-			.03	.04	-	-	-	-	-	.41	.02		1
2	-			.32	-	-	.17	-	-	-	3.24	.12		2
3	-	.28		.03	-	-	-	-	-	.10		.05		3
4	-	×		.01	.79	-	-	-	-	.11	.05	.06		4
5	-			-	×	-	.15	-	-		.43	.26		5
6	.19	.51		-	-	-		-	-	.66	.31	.10		6
7	-	.21		.04	.09	-	.04	-		.36	-	.36		7
8	-			-	.08	-	-	-	.10	.82	.18			8
9	-		.02	-	-	-	.55	.14	-	.28	.94	.26		9
10	-	-	✓	-	-	-	.40		.13	.11		.39		10
11	-	-		-	=	.02	1.15	.03	.02	-	1.10	.07		11
12	-	.01	.24	.02	-	.20	.20	-	.16	-	.13	-		12
13	=		.16	✓	-	-		-	.23	-	.02			13
14	=	.02		.08	.04	-	.05	-		.67	-	.60		14
15	-		.20	.04	1.07	.26	-	-	.18	.07	.30			15
16	-	.20	.57	.08	-		.03	.01	.43	.42	.88	.06		16
17	-	.56	×	.23	-	-	.30	-	.06	-		-		17
18	.27	×	1.20	.48	-	-	.21	-	.16	-	.02	.18		18
19	-	.15	.14	.30	-	-	.39	-	-		.10	-		19
20	-	.06		.12	-	-		-	.06	.25	.13	-		20
21	-			-	.04	.40	.29	.02		-	1.33	-		21
22	-	.02	.15	.20	.20	.02	-	-	.05	-	-	-		22
23	-	.10	.20	.06	.54		-	-	.06	.05	.01	-		23
24	.02	-	-	-	.04	-	.05		.02	-		-		24
25	-	-		-	.41	-	.03	.04	.01	-	-	-		25
26	1.24	.28		.01	✓	.01	.20	.04	-	-	-	-		26
27	.54	.33		1.09	.10	-		-	.01	-	.15			27
28	×	.24		×	.06	-	.03	.01	-	-	.01	.10		28
29	-		.13	.21	.01	-	.10	-	-	-	-			29
30	.21	×	.35	.68	-		-	-	-	.38	.01	.20		30
31	.52	×	×	×	-	×	-	-	×	1.09	×	.13		31
TOTAL	2.99	2.97	3.36	4.03	2.91	.91	4.34	.29	1.68	5.37	9.75	2.96	Year's Total 41.56	✓
* Days with .01 in. or more.	8	16	13	21	15									"d"
* Days with .04 in. or more.	7	13	12	15	13									

2.51

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) C. T. Edwards* [P.T.O.

* Per R. Wye C. Brd.

FORM 1090.

B

4223

4223
GRYLISS
1931 — 35

780803

*** The following register of m
&c., is NOT required if da
values are given on the oth

on and also the space for

s register should be sent:—

RAINFALL IN 1

At Gryliss

In the County of Radn

Leufaddu

in Summer

Rain Gauge
Diameter of Funnel fu
Height of Top above Ground 1
Height of Ground above Sea Leve

ce fun h gauge Direction from gauge E

ce 1½ Direction from gauge SE

gauge .. NW NE

Month.	Total Depth.	Greatest Fall in 24 hours.			
	Inches.	Inches.	Date.		
JAN.	3.30				
FEB.	4.31				
MAR.	.62				
APRIL	4.17				
MAY	5.22				
JUNE	6.32				
JULY	4.14				
AUG.	5.35				
SEPT.	2.15				
OCT.	1.59				
NOV.	7.53				
DEC.	2.10				
Total	47.70				

Signature H Langdon

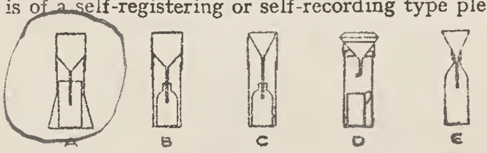
*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move.................... Distance.................... Direction....................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

Form 1090. **B**

4223

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At Gryliss

In the County of Radnor

Rain Gauge
Diameter of Funnel five in.
Height of Top above Ground 1 *ft* — *in.*
Height of Ground above Sea Level 1200 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
Jan.	3.30				
Feb.	4.31				
Mar.	.62				
April	4.17				
May	5.22				
June	6.32				
July	4.14				
Aug.	5.35				
Sept.	2.15				
Oct.	1.59				
Nov.	7.53				
Dec.	2.10				
Total	47.70				

Signature H Langston

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
H Langston
Sunset Kington Herefordshire

Hour of observation by the clock—in Winter Taken on first day of month in Summer

Nearest Railway Station New Radnor Distance five Direction from gauge E

Nearest Parish Church at Llanfihangel Nant Melan Distance 1½ Direction from gauge NE

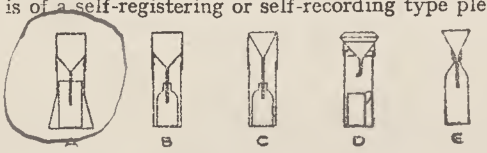
Nature of objects nearest to gauge	House	Ashes		
Heights of objects	20ft	30ft		
Distances ..	30ft	90ft		
Directions from gauge ..	NW	NE		

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4223

Form 1090. **B** Monthly Summary.

C Particulars of Station. 707465/26

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932.

At Gryflin Llanfihangel Nant Melan
In the County of Radnor
Rain Gauge
Diameter of Funnel five in.
Height of Top above Ground one *ft* – *in.*
Height of Ground above Sea Level 1200 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5.96				
FEB.	.20				
MAR.	2.61				
APRIL	5.13				
MAY	5.47				
JUNE	.96				
JULY	2.71				
AUG.	2.36				
SEPT.	3.78				
OCT.	7.–				
NOV.	3.91				
DEC.	2.44				
Total	43.03				

Signature H Langston.

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
Henry Langston
Burnsell Kington Herefordshire

Hour of observation by the clock—in Winter 9 a m in Summer X
Nearest Railway Station New Radnor Distance 4 miles Direction from gauge E
Nearest Parish Church at Llanfihangel Nant Melan Distance 1½ mile Direction from gauge S E

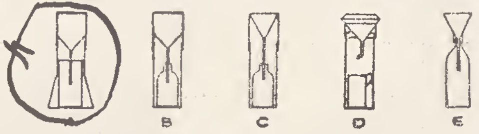
Nature of objects nearest to gauge	House	Ashtree		
Heights of objects	20ft	30ft		
Distances ..	30 ft	90 ft		
Directions from gauge ..	N. W	N. E.		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

X the rainfall is taken monthly as near as possible 9 a m on first of month

M.O. 7
3 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4223

FORM 1090. **B** Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Llanfihangel Gryfion Nant Melan

In the County of Radnor

Rain Gauge
- Diameter of Funnel five in.
- *Height of Top above Ground* 1 *ft* — *in.*
- *Height of Ground above Sea Level* 1300 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	3.39				
FEB.	4.78				
MAR.	2.40				
APRIL	.71				
MAY	1.75				
JUNE	2.92				
JULY	4.30				
AUG.	.62				
SEPT.	1.50				
OCT.	6.16				
NOV.	.78				
DEC.	1.31				
Total	30.64				

Signature H Langston

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

H Langston.
Sunset Kington Herefordshire

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station New Radnor Distance 5 mile Direction from gauge E

Nearest Parish Church at Llanfihangel Nant Melan Distance 1½ mile Direction from gauge S E.

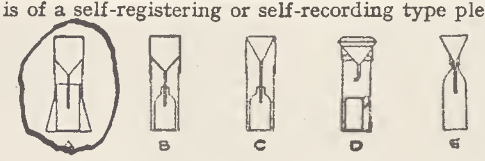
Nature of objects nearest to gauge	House	Outhouse		
Heights of objects	20 ft	30 ft		
Distances ..	30 ft	40 ft		
Directions from gauge ..	N W.	N E		

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

The rainfall is taken on the first day of each month in the morning

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3 JAN 1934

D

No 707465/26

4223

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Gyliss

In the County of Radnor

Rain Gauge

Diameter of Funnel five" in.

Height of Top above Ground 1 *ft.* – *in.*

Height of Ground above Sea Level 1200 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4.32				
FEB.	.38				
MAR.	3.24				
APRIL	4.04				
MAY	2.02				
JUNE	1.58				
JULY	2.28				
AUG.	3.35				
SEPT.	3.06				
OCT.	3.62				
NOV.	2.36				
DEC.	8.14				
Total	38.39 ✓				

Signature H Langston

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

H Langston
Sunset Kington Herefordshire

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station New Radnor Distance 5 miles Direction from gauge E

Nearest Parish Church at Llanfihangel Nant Melan Distance 1½ m. Direction from gauge S E

Nature of objects nearest to gauge	House	Ash tree		
Height of objects	20 ft.	30 ft		
Distances	30 ft.	90 ft		
Directions from gauge	N W.	N E.		

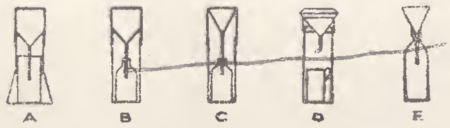
If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

a.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

The rainfall is taken once a month about 9 to 10 a m on the first of the month.
I have sold Gyliss, to Dr C B. Gerrard. Gyliss New Radnor
+ he has taken the gauge over H

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is* "*trace*". *The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4223.

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935.

At New Radnor (Gryliss)

In the County of Radnor

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1200 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	-				
FEB.	4·23				
MAR.	·92				
APRIL	5·29				
MAY	– ?				
JUNE	3·65				
JULY	·43				
AUG.	1·98				
SEPT.	5·47				
OCT.	4·87				
NOV.	7·78				
DEC.					
TOTAL	inp.				

Signature ....

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................. Distance................. Direction from gauge.................

Nearest Parish Church at................. Distance................. Direction from gauge.................

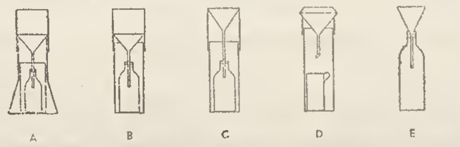
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move................. Distance................. Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from sheet sent in by Dr Gornal.
see f 527991/36.

10/8/36. KJ.

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4224

Section **A** for the entry of

AIR MINISTR

FORM 1090. **REGIST**

4224

HARPTON COURT

1931 — 40

780803

…PY FOR OFFICIAL USE.

… ORGANIZATION.

Kept at Harpton Co

in the County of Ra

Diameter of Funnel of Gauge

Height of top of Gauge above Groun

,, Ground ,, Sea L

THE MORNING MEASU

An observer who does not conform to … llowing

year in the space on the right of th

Jan. 1, following

Date	Jan.	Feb.	March								Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	25	4							57				1
2	12	3		14	3					11	·1		2
3				55	21	3		21	65		275	20	3
4			22		11	[illegible]4	11		40	2	28		4
5		10		17				41	11			37	5
6		20		12		123	76			3·21	16		6
7				19	8		53	52		1·3	38	8	7
8		11				9	51			3	17	17	8
9				8				46		17	76	4	9
10	12	40				42					92		10
11	16	3				8	3	4	25		38		11
12		63				3	37	3	14	8	6		12
13	3	11					17						13
14			14		14				12		48		14
15		13	3		4	102	27	159	13		2		15
16	13	25		19	3		10	61				9	16
17	11	20		21	22	60		34		2	11		17
18	14	15		22	32		21		2		49		18
19	9		3			44	5	37			4		19
20				26		88		61			15		20
21	50	50	10					3			12		21
22	49										3		22
23	38	3			48		26	17			28	13	23
24	12	[illegible]		56	11						7	6	24
25	30			63	40		39						25
26	15	13		80	9						64		26
27	13			3	3						11	11	27
28	22	63					18			17		17	28
29	25		29	8	166		5			14	5		29
30		×	23		92				6		28		30
31	54	×		×	3	×	29		×		×	11	46.62 31
TOTAL	416	367	104	423	490	513	428	539	225	121	869	147	YEAR'S TOTAL 4662
*Days with ·01 in. or more.	19	17	7	15	17	10 [illegible]	16	13 [illegible]	10	10	24 [illegible]	11	169
*Days with ·04 in. or more.	18	14	5	14	3 ~~14~~	[illegible] 9	15	[illegible] 11	9	7	3[illegible] 21	11	147

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) William Swain

P.T.O.

4224

Section **A** for the entry of [redacted] OPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

~~BA~~ 3

Kept at Harpton Court

in the County of Radnor

Diameter of Funnel of Gauge five in.

Height of top of Gauge above Ground ft. 9 in.

" Ground " Sea Level 700 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	25	4							57				1
2	12	3		14	3					11	·1		2
3				55	21			21	65		275	20	3
4			22		11	34	11		40	2	28		4
5		10		17				41	11			31	5
6		20		12		123	76			34	16		6
7				19	8		53	52		13	38	8	7
8		11				9	51			3	17	17	8
9				8				46		17	76	4	9
10	12	40				42					92		10
11	16	3				8	3	4	25		38		11
12		63				3	37	3	14	8	6		12
13	3	11					17						13
14			14		14				12		48		14
15		13	3		4	102	27	159	13		2		15
16	13	25		19	3		10	61				9	16
17	11	20		21	22	60		34		2	11		17
18	14	15		22	32		21		2		49		18
19	9		3			44	5	37			4		19
20				26		88		61			15		20
21	50	50	10					3			12		21
22	42										3		22
23	38	3			48		26	17			28	13	23
24	12	[illegible]		56	11						7	6	24
25	30			63	40		39						25
26	15	13		80	9						64		26
27	13			3	3						11	11	27
28	22	63					18			17		17	28
29	25		29	8	166		5			14	5		29
30		×	23		92				6		28		30
31	54	×		×	3	×	29		×		×	11	31 46.62
TOTAL	416	367	104	423	490	513	428	539	245	121	869	147	YEAR'S TOTAL 4662
*Days with ·01 in. or more.	19	17	7	15	17	10	16	13	10	10	24	11	169
*Days with ·04 in. or more.	18	14	5	14	14 3	15 9	15	15 11	9	7	3 21	11	147

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) William Swain

P.T.O.

4224

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at [redacted]
in the County of [redacted] Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground ft. 9 in.
,, Ground ,, Sea Level ft.

Sept 1" low
Total 3.25
Suggest O.K.
Auth Total [illegible]
Corr for Auth

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	36	4		27	190			2	5	4	5		1
2	10				8				31	4	4		2
3	6	1		70			8			3		71	3
4				39			32				51		4
5	84						15		11				5
6	22		11	62	6				39				6
7	9		37	25	37				41	140	2		7
8			12	4						22			8
9	200	11		11	8								9
10	55			44	6				26	28			10
11	15				7	8			29			9	11
12	56			7	20			(35) 12		12	6		12
13				28				11		27	9	21	13
14	45			10	5		68				16		14
15	4			2	37		1[illegible]			14	11		15
16	71			32			3			16			16
17					3		24		2				17
18					17		11				18		18
19				19	14								19
20				13	100		[illegible]	180		101	12	22	20
21	2		12	13	11			68		84		12	21
22				6	5		9		58	50		14	22
23		5	9		12				15	19	81	10	23
24	12				10		4			9	8		24 4.167
25	1	2							14	43	13		25
26			9	22			14		11	31	11		26 +3
27			78	39	40		6			19			27
28			21	8	36		20		81		7		28
29			50	11	44	37	5	(02) 2		88	26	28	29
30		×		15	1	37 (·87)		(26) 26	12	8	49		30
31		×	56	×		×	34	51	×		×	60	31
TOTAL	6.38 528	23	293	507	617	138	267	229	325	752	341	242	YEAR'S TOTAL 42.69
*Days with ·01 in. or more.	Jan 9th 2 in 11	5	10	22	[illegible] 22	3	15	1 day 8	14	2 days 20	17	9	161
*Days with ·04 in. or more.	14	3	10	21	20	3	14	6	13	19	16	9	148

1.32

40-9999

(Signed) [redacted]
The Head Gardener

[P.T.O.

*See Instruction 2 (*f*) on other side.

4224

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Harpton Court

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft 9 in.

,, Ground ,, Sea Level ft.

Corrected 11/1/34 J.W.O.

circ. D.2. M.O.7

sent 18/1/34 J.W.O.

BA

No reply to D2 on 28/5/34. Our values adopted.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	98	40	10								4	40	1
2	59		60		25						4		2
3	6				7								3
4	49	25			15	12							4
5	21	13	17		9								5
6			10		47					15			6
7							15			59			7
8		49	10		8		69						8
9	21	15			15		24			127	4		9
10	13						19	4		221			10
11	4					12	55	5		9			11
12	3									2			12
13							33	7		15	13		13
14						7	8				15		14
15	35		13			50	12	16		20	1	9	15
16			41							14		2	16
17			30					2	5				17
18			9			55							18
19			52					6	22		41		19
20			4		20	12			22		3		20
21		13			14			18		7			21
22					25			19		7			22
23				15					39	17			23
24				16		76							24
25		38		22		7			8			18	25
26				7			7		16				26
27			19	3	26	·02				68		30	27
28		13		25	11				2	16		11	28
29			6	13								3	29
30	16	×	19						25	1·0			30 d
31	27	×	18	×		×	15	8	×	18	×		31
TOTAL	~~2·12~~ 2·92	~~1·96~~ 2·06	~~3·90~~ 3·80	~~1·00~~ 1·02	~~2·05~~ 2·16	2·35	2·99	·85	1·49	6·75	·90	1·06	YEAR'S TOTAL 27·85 ~~40·02~~
*Days with ·01 in. or more.	12	8	15	7	12	9	10	9	8	16	8	7	121
*Days with ·04 in. or more.	11	8	15	6	12	8	10	8	7	15	6	5	111

40-9999

(Signed) [P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4224

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Harpton Court

in the County of ~~Herefordshire~~ Radnor

Diameter of Funnel of Gauge 4 in.

Height of top of Gauge above Ground ft [illegible] in.

,, Ground ,, Sea Level 700 ft.

~~W.D.~~ Not W.D. now

✓ aly

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	30							58		9	16	31		1
2			16					14	28	3	3	23		2
3										9		51		3
4	15		23		20			19	25		14	55		4
5			12	8	16			133		37	18	26		5
6			8		67			10		18		37		6
7	21	3			3			2		5		51		7
8					10				10		26	44		8
9		9						5			50	21		9
10	33		25	48				22			11			10
11	114		36	78			5	17				35		11
12	5		8	12			102				24	3		12
13	101			24						8		4		13
14	9		75	3		7				8		12		14
15	23		67		37				16	27	22	35		15
16	33		36		2		2				11	3		16
17	20		14	21	11		15		25	8		39		17
18	36			48								39		18
19	2		33		2	18			16			47		19
20				4				8						20
21				25	2	10	41	11		20		21		21
22	5		12				9	32	6	12		33		22
23				35	5	66			41	4				23
24		21		18		39				6				24
25	51			23	5							109		25
26	6			22		11				47	3	11		26
27	7			2		15	7		38	13		27		27
28				49			8	39			7	57		28
29						12	9	8	28	12	2	7		29
30		×					54		18	6		44		30
31	1	×		×		×	4		×	3	×	26		31
TOTAL	518	27	360	415	180	178	255	377	251	252	200	878	Year's Total. 3886	
* Days with .01 in. or more.	~~[illegible]~~ 18	3	13	16	12	8	1 day 11	1 day 13	11	19	13	~~1 day~~ 24	164	
* Days with .04 in. or more.	2 days 16 ~~18~~	1	13	14	8	8	10	12	11	17	10	25	145	

"d"

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*)

[P.T.O.

COPY FOR OFFICIAL USE. ✓

Section **A** for the entry of Daily Observations. Station No. 4224

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Harpton court

in the County of ~~Herefordshire~~ RADNOR.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft 9 in.

,, Ground ,, Sea Level 700 ft.

[illegible] 7/6D. [illegible]

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1							16		33	26	8	47		1
2		2	10	4	6				5	16	11	28		2
3		20				4			×		50	3		3
4	8		15	15		5			22	38	13	35		4
5		39	5			30			4	7	17			5
6			5			10					20	7		6
7	5		[illegible]	49		48				20	2	17		7
8			4	27		27				20	14	36		8
9				33		11		6		57	22			9
10	8			125						×	12			10
11	48	11				22				26	40			11
12		10				8		11		2	25			12
13		12		15	3				32		51			13
14	12					7			×		131	21		14
15		67		75	9			5	49	5	8			15
16		22	7	47		12	7		84	23	65	6		16
17		2		59	29	19			19		16			17
18				35		16		25	56	13				18
19		12		11	23	26	28		5	21	29			19
20		62		21			4		3		93			20
21		52		8					35	10	10			21
22		8		34					15					22
23	2		59		6				11	33				23
24	16	66	5	2		4			95	23		×		24
25	43	16		10							14	82		25
26		29						70	23		9	36		26
27	1	12			10			2	8	10	6	9		27
28	4	6						24	9	4	39			28
29									25	15	74	40		29
30	1	×		24		10		23	18	55		24		30
31		×	—	×		×			×	32	×	47		31
TOTAL	148	449	110	594	86	259	55	166	541	456	779	498	Year's Total. 40.80	"d"
* Days with .01 in. or more.	11	18	8	18	7	16	4	8	22	22	25	16	~~175~~	
* Days with .04 in. or more.	8	16	8	17	6	16	4	7	21	21	24	15	163	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*)

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4224

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

not (WD)

Kept at Harpton Court

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft. 9 in.

,, Ground ,, Sea Level 700 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	11	14		32		40	6	3			10	13		1
2	8	8		21		36						5		2
3			2			5	8		97			6		3
4	6		10			28			71		98	36		4
5	38	5	15		57			4	14		9	13		5
6			4			2	45	10	6		50	3		6
7	51		6				41		23		55			7
8	39		19				4				103	[illegible]	11	8
9	108		7				64		25	5	3			9
10	8						13	2			16			10
11						16	6				100			11
12		18			9	24	78		28		9			12
13		3		5			6		7	9	15	201		13
14				16			2		13		7	46		14
15						5	4	9	2		19	15		15
16		7		10	44		6				23			16
17	28	99			19		25			14	6	62		17
18		19		3			64	4		39		13		18
19	84	12	5	18			5	6		2				19
20	18	20	20			55			8					20
21			10	101		104								21
22		25	24		13		54					4		22
23	20	6	11	4	9		15			5				23
24				2					43	59				24
25	52		40	81		38	23		82	26				25
26	30	7	39			10	12			22				26
27	15	4	12				13		5	15	4			27
28	29	18	65				3				4	18		28
29	5	2	17			69				3		36		29
30	5	×	2		14	14				68	6			30
31	60	×	32	×	38	×	9		×		×	55	d	31
TOTAL	6.15	2.69	3.40	2.94	2.03	4.46	5.06	.38	4.24	2.67	5.32	5.30	Year's Total. [illegible]	44.64
* Days with .01 in. or more.	19	16	19	11	8	14	23	7	14	12	18	16	~~4464~~	177
* Days with .04 in. or more.	19	14	17	9	8	13	21	5	13	10	17	15	161	

40-9999

† Spare column, no entries required.

(Signed) [P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4224

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Harpton Court

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ..... ft. ..... in. 9

" Ground " Sea Level 700 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	22	15		22			13		5	22	10	46		1
2	15	54		16								54		2
3	21	30			18	7						3		3
4		16			13	4	4	13				50		4
5	66		22	2			5					3		5
6	22	9		18	9					4	4			6
7		87	19	28		4					3			7
8		23			19	26					20			8
9		3		7	22	2	35		52					9
10	7				32							51		10
11	3	10				10	28	8				12		11
12	36	29	105				4	20	12			20		12
13	16	7		36		5		28	4			10		13
14			10						7					14
15	28	29		34					18			24		15
16	14	37	50	6	6		172	19						16
17	62	16	33						27		7			17
18	27	14	43	5		4			38		27			18
19	9	7	4	11		40	28				5			19
20	47	20	10	63	6							33		20
21	42	23	20	5			28			7		2		21
22	24	5	33		24					60	73	7		22
23	21	24	3		12		50			17				23
24	58	83	19				6			78		5		24
25		91							11	17				25
26		30			26							5		26
27										89				27
28		73								15	7			28
29						10				88				29
30		✕						2	·02		22			30
31	65	✕		✕		✕			✕	56	✕			31
TOTAL	609	729	371	253	187	112	373	·90	176	453	178	325	Year's Total 3856	
* Days with .01 in. or more														
* Days with .04 in. or more.	19	23	12	12	11	9	11	5	9	11	9	12	143	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4224

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

July, Nov. & Ann. Total Corr. for Ank. 8.3.39. EMF.

Totals Days W.J.F.

Kept at Harpton Court

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

„ Ground „ Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		26						48		31	5	40		1
2		4	3	15	15	59				27	8	12		2
3					17		4		8	102	2			3
4						6	56	13		48	8	21		4
5	4						57	17	3	25		13		5
6	33	9				30	31		4	30		13		6
7	17						22	37	31	17		5		7
8	38						28	8		43		13		8
9	25					21	10	3		1		33		9
10	20	15				6	29	22		8		52		10
11	67						7	3		8	25	45		11
12	32				20			11		36	103			12
13					3		2			2	75	35		13
14	107				46		10			1				14
15	26	2			23			3			5	41		15
16	35				11			6		2	12	7		16
17		10					6		18	8				17
18					3	4		35	9	8	50			18
19	18							9	1		33			19
20	25							13	1½		27			20
21									5		16			21
22	2			6		4		3			57			22
23				8	14		2		4		16			23
24	5	9			10			32	5		8			24
25	6	18	19		7	4	9	5		38	112			25
26	53	64	2		33	30	3			30	58	19		26
27	12	13			53	9	47	39	16	20	11			27
28	30	20				30	2	12	4		8			28
29	31				35		9			5		13		29
30	12	✕				10			31		48	21		30
31	20	✕		✕	28	✕			✕	32	✕	36		31
TOTAL	6.18	1.90	.24	.29	2.97	2.33	5.23	3.50	1.41	5.22	6.87	4.69	Year's Total 40.83	✓
* Days with .01 in. or more.	22	11	3	3	15	12	17	19	14	22	21	17	176	✓
* Days with .04 in. or more.	21	10	1	3	13	12	14	15	11	18	21	17	156	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4224

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at HARPTON COURT

in the County of RADNOR

Diameter of Funnel of Gauge 4 in.

Height of top of Gauge above Ground ft. 6 in.

,, Ground ,, Sea Level 700 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	3		32	34	26			1				8		1
2			6	47				22	59	3	21	20		2
3	1		13	35				6	6		13	68		3
4			3	24	22		31	1	3	57	38	41		4
5			38				86			44	65			5
6	1·04		3				76				22			6
7		7	9				40	4			48	35		7
8	10	40	6				50	20		80	46	10		8
9	7	21	44					45	7	38	18	25		9
10	56							2		29		20		10
11	07	10	14					3	2	2		5		11
12		18				4			5					12
13				39	17		23			5	1			13
14	70			10	5	9	30			8	27	3		14
15	90		3	4	6	49	103			2	40			15
16	8		5		9		27			3	60			16
17	50	9		4		17	1				5			17
18	42	8				15	36				61			18
19	21	3					31				1			19
20	36	22	2				88	16				7		20
21	12	65	34	10	2	15	10	3						21
22	41		20	10		23	2		8	5	48			22
23	8	24	4	12		5	26			10	54			23
24		2		5		4	7			20				24
25		25	4			1	6			7	95			25
26	39	8		20				23			53	2		26
27	11	74	5	2		15	9	3			10	5		27
28	3	40	5			14	67	8			27			28
29				25			54				7			29
30		×		4		11	3	1		25	10	39		30
31		×		×		×	12	20	×	18	×	2		31
TOTAL	6·30	3·76	2·80	2·85	·87	1·84	8·18	1·78	·90	3·86	7·70	2·90	Year's Total 43·74	
* Days with .01 in. or more.	20	16	19	16	7	13	23	16	7	17	23	15	192	
* Days with .04 in. or more.	17	14	15	15	6	12	20	9	5	13	21	12	159	

† Spare column, no entries required.

*See Instruction 3 (f) on other side.

(Signed) W.H. Swain

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4224

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Harpton Court

in the County of Radnor

Diameter of Funnel of Gauge 4½ in.

Height of top of Gauge above Ground ft. 6 in.

„ Ground „ Sea Level 700 ft.

Days

Jan 28th estd. Jan + Feb apportioned

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	8	2		–	–	–	–	55	1		1
2	–	–	–	28	–	–	–	–	–	–	178	7		2
3	–	(·62)	–	–	–	–	3	–	–	7	73	3		3
4	–	90	–	14	–	–	–	–	–	12	38	4		4
5	–	23	–	–	14	–	17	–	–	22	88	30		5
6	22		–	–	–	–	1	–	–	40	11	20		6
7	4	76	–	3	–	–	–	–	5	21	–	5		7
8	–	60	–	2	10	–	–	–	2	58	3	33		8
9	–	–	–	2	–	–	77	10	2	34	116	35		9
10	–	–	–	–	–	–	40	9	6	10	16	49		10
11	–	–	3	5	–	–	53	–	–	–	102	4		11
12	–	–	15	–	–	9	23	–	20	–	41	1		12
13	–	–	16	–	–	–	13	1	12	–	–	–		13
14	–	–	14	13	4	–	2	4	8	45	–	58		14
15	–	–	5	–	122	20	–	–	7	10	38	3		15
16	–	–	15	13	–	–	22	–	46	55	77	4		16
17	–	–	33	2	–	–	10	–	6	–	3	–		17
18	–	50	93	52	–	–	2	–	14	11	3	25		18
19	–	33	24	18	–	–	29	–	15	1	16	–		19
20	–	–	1	19	–	–	25	7	–	16	3	–		20
21	–	–	2	–	23	19	12	–	–	–	169	–		21
22	–	2	10	13	6	23	–	1	6	–	–	–		22
23	13	12	16	5	40	–	2	–	12	5	–	–		23
24	–	–	*	–	1	–	4	–	–	–	– 3	3		24
25	20	–	–	–	8	–	4	–	–	–	3	–		25
26	110	33	–	–	12	–	13	–	–	–	–	–		26
27	54	31	–	–	–	–	–	–	–	–	7	–		27
28	(·79) 49	14	–	83	26	–	–	–	–	–	–	3		28
29	–	–	12	23	2	5	5	–	–	–	–	–		29
30	(·30) 4	✕	–	56	–	–	–	–	–	42	–	11		30
31	4	✕	26	✕	1	✕	–	–	✕	110	✕	4		31
TOTAL	3·32 ~~2·72~~	~~4·22~~ 3·92	28·5	3·59	2·71	·76	3·47	·32	1·61	4·99	10·40	2·80	Year's Total ~~38·44~~ ~~38·74~~ 40·74	
* Days with .01 in. or more.	~~7~~9	11	15	18	14	5	20	6	14	17	20	19	168	
* Days with .04 in. or more.	~~7~~9	10	12	14	10	5	15	4	12	16	15	14	136	

† Spare column, no entries required.

(*Signed*) W. H. Swain

* See Instruction 3 (f) on other side.

P.T.O.

FORM 1090. **B** Month
Summ

4225

No 4225

NEW RADNOR

1931-40

*** The following register of monthly
&c., is NOT required if daily or
values are given on the other side.*

tion and also the space for

this register should be sent:—

nglon Herefordshire

RAINFALL IN 1931

At New Radnor

In the County of Radnor

Rain Gauge

Diameter of Funnel Five

Height of Top above Ground 1 *ft*

Height of Ground above Sea Level 7

AM in Summer 9 AM

stance 500 yds Direction from gauge S

istance 800 Direction from gauge N W

Heights of objects		
Distances ..	7ft-6"	9 yds
Directions from gauge ..	S	W

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	4.15			25	
FEB.	4.22			22	
MAR.	0.70			15	
APRIL	4.35			23	
MAY	5.22			23	
JUNE	5.34			16	
JULY	4.35			27	
AUG.	5.81			21	
SEPT.	2.68			16	
OCT.	1.20			17	
NOV.	7.83			23	
DEC.	1.85			21	
Total	47.70			249	

Signature

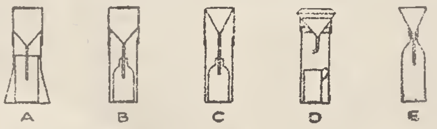
*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Second Nov: was very wet

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

B Month Summary.

C Particulars of Station.

4225

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At New Radnor
In the County of Radnor
Rain Gauge
Diameter of Funnel Five in.
Height of Top above Ground 1 *ft.* — *in.*
Height of Ground above Sea Level 750 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	4.15			25	
FEB.	4.22			22	
MAR.	0.70			15	
APRIL	4.35			23	
MAY	5.22			23	
JUNE	5.34			16	
JULY	4.35			27	
AUG.	5.81			21	
SEPT.	2.68			16	
OCT.	1.20			17	
NOV.	7.83			23	
DEC.	1.85			21	
Total	47.70			249	

Signature

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J Langston
New Radnor Nr Kington Herefordshire

Hour of observation by the clock—in Winter 9AM in Summer 9 AM
Nearest Railway Station New Radnor Distance 500 yds Direction from gauge S
Nearest Parish Church at New Radnor Distance 800 Direction from gauge N W

Nature of objects nearest to gauge	Wire fence	Hedge		
Heights of objects	4 ft	6 ft		
Distances ..	7 ft 6"	9 yds		
Directions from gauge ..	S	W		

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Second Nov: was very wet

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4225

FORM 1090. **B** Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At New Radnor

In the County of Radnor

Rain Gauge
Diameter of Funnel Five in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 750 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·75			18	
FEB.	0·18			7	
MAR.	2·90			14	
APRIL	5·33			26	
MAY	5·40			29	
JUNE	1·40			6	
JULY	2·48			24	
AUG.	2·81			9	
SEPT.	2·53			16	
OCT.	7·75			28	
NOV.	3·50			23	
DEC.	2·75			19	
Total	42·52			219	

Signature J Langston

*See Instruction 2 (*f*) below.

C Particulars of Station. 4225

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J Langston New Radnor
Nr Kington Herefordshire

Hour of observation by the clock—in Winter 9 AM in Summer 9 AM

Nearest Railway Station New Radnor Distance 500 yds Direction from gauge S

Nearest Parish Church at New Radnor Distance 800 yds Direction from gauge N W

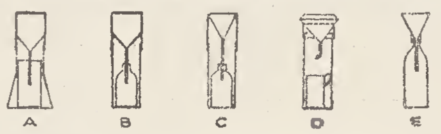
Nature of objects nearest to gauge	Wire fence	Hedge		
Heights of objects	4 ft	7 ft		
Distances ..	7 ft 6"	19 yds		
Directions from gauge ..	S	W		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
3 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19t was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

No 4225

Number 4225

File 66152 8/26

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At New Radnor

In the County of Radnor

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* — *in.*
Height of Ground above Sea Level 750 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	3.15			16	
FEB.	3.43			20	
MAR.	3.58			19	
APRIL	0.90			12	
MAY	1.69			20	
JUNE	2.45			13	
JULY	3.81			15	
AUG.	0.91			12	
SEPT.	1.41			10	
OCT.	6.44			21	
NOV.	0.90			16	
DEC.	1.14			7	
Total	29.81			181	

Signature J Langston

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J Langston
New Radnor, Nr Kington Herefordshire

Hour of observation by the clock—in Winter Nine in Summer Nine

Nearest Railway Station New Radnor Distance 500 yds Direction from gauge S

Nearest Parish Church at New Radnor Distance 800 yds Direction from gauge N.W

Nature of objects nearest to gauge	Wire fence		Hedge	
Heights of objects	4 ft—		5 ft—	
Distances	6 ft—		20 ft—	
Directions from gauge	S		W	

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed aud that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

D

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1934

At New Radnor

In the County of Radnor

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 750 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·82			22	
FEB.	0·22			4	
MAR.	3·42			22	
APRIL	4·65			19	
MAY	2·02			13	
JUNE	1·67			10	
JULY	1·95			9	
AUG.	3·84			19	
SEPT.	1·72			16	
OCT.	2·88			24	
NOV.	2·25			17	
DEC.	8·62			29	
Total	38·06 ✓			204	

Signature J Langston.

*See Instruction 2 (*f*) below.

~~No 4225~~ No 4225

C Particulars of Station.

File 661528/26

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J Langston. Maes-y-fed, New Radnor
Nr. Kington Herefordshire

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station New Radnor Distance 320 yds Direction from gauge S

Nearest Parish Church at New Radnor Distance 500 yds Direction from gauge N.W.

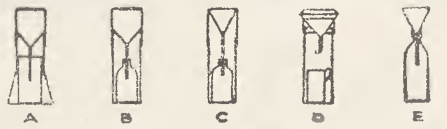
Nature of objects nearest to gauge	Wire fence	Hedge		
Height of objects	4 ft	6'6"		
Distances ..	6 ft	20 ft		
Directions from gauge ..	S	W		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

In June there condensed ·25" between the container & outer casing, we had very heavy dew most of the month
July there was ·03"

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* ~~*9 a.m. Greenwich Mean Time is 10 a.m. by the clock during*~~ *Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At New Radnor

In the County of Radnor

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* 0 *in.*
- *Height of Ground above Sea Level* 750 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1.43			13.	
FEB.	5.20			23	
MAR.	1.00			13	
APRIL	5.68			23	
MAY	.71			10	
JUNE	2.80			24	
JULY	.45			10	
AUG.	1.56			9	
SEPT.	5.62			21	
OCT.	4.99			23	
NOV.	7.78			21.	
DEC.	5.31			13	
Total	42.53			203.	

Signature pp. J. Langston
H Langston
Sunset Kington

*See Instruction 2 (*f*) below.

C Particulars of Station.

R: 4 No 5- 4225

File 661528/26

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

J Langston, Maes-y-fed, New Radnor
Nr Kington, Herefordshire

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station New Radnor Distance 320 yds Direction from gauge S

Nearest Parish Church at New Radnor Distance 500 yds Direction from gauge N W

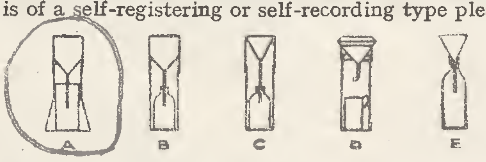
Nature of objects nearest to gauge	Wire fence	Hedge		
Height of objects	4 ft	6-6"		
Distances ..	6 ft	20 ft		
Directions from gauge ..	S	W		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

My brother J. Langston has been laid up for last 2 months - but gauge looked after by his [illegible] daughter Mrs Parson - she says they have not had any new forms to fill up - H L.

forms sent 27/4/36

I. R. 7
JAN 1936

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

Connected for annual total

No 4225

661528/26

FORM 1090. **B** Monthly Summary. **C** Particulars of Station.

***⁎* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1936

At New Radnor

In the County of Radnor

Rain Gauge:
Diameter of Funnel five in.
Height of Top above Ground .... *ft.* .... *in.*
Height of Ground above Sea Level 750 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5·88				18
FEB.	2·69				10
MAR.	2·98				15
APRIL	3·14				11
MAY	2·19				8
JUNE	5·23				15
JULY	5·34				26
AUG.	–35				9
SEPT.	5·1				13
OCT.	2·63				12
NOV.	5·62				20
DEC.	5·22				17
TOTAL	~~46·28~~ 46·37				174

Signature C. L. Langston (Mrs)

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :— C. J. Langston Maes-y-fed New Radnor

Rainfall is taken monthly on 1st of each month.

Hour of observation by the clock—in Winter 9 a.m. in Summer 10 a.m.

Nearest Railway Station G.W.R. New Radnor Distance 324 yd Direction from gauge S

Nearest Parish Church at New Radnor Distance 500 yd Direction from gauge N-W.

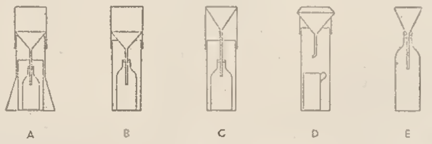
Nature of objects nearest to gauge	Wire fence	Hedge		
Height of objects	4 ft.	6 ft. 6		
Distances ...	6 ft.	20 ft.		
Directions from gauge ...	S	W.		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
16 JAN 1937

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

No 4225

K.L. 661528/26

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At New Radnor

In the County of Radnor

Rain Gauge
- Diameter of Funnel five in.
- *Height of Top above Ground* 1 *ft.* — *in.*
- *Height of Ground above Sea Level* 750 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6				21
FEB.	7.38				20
MAR.	4.25				16
APRIL	2.53				11
MAY	1.60				9
JUNE	.89				5
JULY	3.38				11
AUG.	.71				7
SEPT.	1.82				11
OCT.	4.40				14
NOV.	1.82				7
DEC.	3.62				13
TOTAL	38.40				145

Signature C. F. Langston J.P.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Mr. C. F. Langston Mans-y-fea New Radnor
Rainfall is taken monthly on 1st of month.

Hour of observation by the clock—in Winter 9 a.m. in Summer 10 a.m.

Nearest Railway Station G.W.R. New Radnor Distance 320 yds Direction from gauge S

Nearest Parish Church at New Radnor Distance 500 yds Direction from gauge N.W.

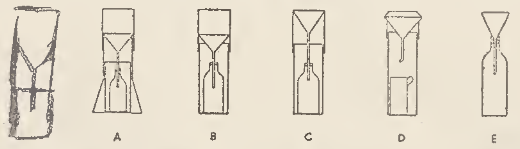
Nature of objects nearest to gauge	Wire fence	Hedge		
Height of objects	4 ft	6-6		
Distances ...	6 ft	20 ft		
Directions from gauge ...	S	West		

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
17 JAN. 1938

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

No 4225

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 193 8

At New Radnor

In the County of Radnor

Rain Gauge:
Diameter of Funnel five in.
Height of Top above Ground 1 *ft.* – *in.*
Height of Ground above Sea Level 720 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6.30				19
FEB.	1.88				10
MAR.	-.22				2
APRIL	-.12				1
MAY	2.93				18
JUNE	2.63				14
JULY	4.36				14
AUG.	2.85				20
SEPT.	-.65				10
OCT.	5.64				20
NOV.	7.09				18
DEC.	4.74				11
TOTAL	39.41 ✓				5 137 ✓

Signature C. F. Langston
J.P.

* See Instruction 3 *(f)* below.

C Particulars of Station.

file No. 661528/26

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Mrs C. F. Langston Maes-y-fed N. Radnor.
Rainfall is taken monthly on 1st of month.

Hour of observation by the clock—in Winter 9. a.m. in Summer 10. a.m.

Nearest Railway Station G.W.R. N. Radnor Distance 320 yds. Direction from gauge S

Nearest Parish Church at New Radnor Distance 500 yds. Direction from gauge N. W.

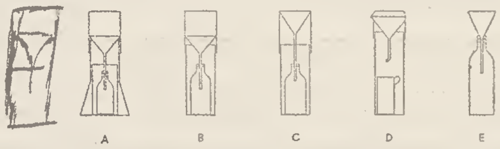
Nature of objects nearest to gauge	Wire fence	Hedge		
Height of objects	4 ft	6. 6.		
Distances ...	6 ft	20 ft		
Directions from gauge ...	S.	W.		

If gauge has been moved during the year state –

Date of move................ Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
11 JAN 1939

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 ; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON : PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses : Adastral House, Kingsway, London, W.C.2 ; 120 George Street, Edinburgh 2 ; 26 York Street, Manchester 1 ; 1 St. Andrew's Crescent, Cardiff ; 80 Chichester Street, Belfast ; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

No. 4225

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At New Radnor.

In the County of Radnor

Rain Gauge
Diameter of Funnel five in.
Height of Top above Ground 1 ft. – *in.*
Height of Ground above Sea Level 750 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6·60 10·43				15
FEB.	3·83				15
MAR.	2·37				14
APRIL	3·7				10
MAY	·84				5
JUNE	1·88				12
JULY	8·22				18
AUG.	1·82				8
SEPT.	·88				8
OCT.	3·55				14
NOV.	8·29				26
DEC.	3·16				11
TOTAL	44·51				156

Signature C. F. Langston
pp FEP.

* See Instruction 3 (*f*) below.

C Particulars of Station.

File No. 661528/26

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Mrs C. F. Langston Maes-y-fed. New Radnor.
Rainfall is taken monthly on 1st of month.

Hour of observation by the clock—in Winter 9 a.m. in Summer 10 a.m.

Nearest Railway Station G.W.R. N Radnor. Distance 320 yds. Direction from gauge S

Nearest Parish Church at New Radnor. Distance 500 yds. Direction from gauge N.W.

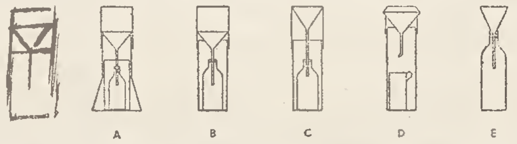
Nature of objects nearest to gauge	Wire fence	Hedge		
Height of objects	4 ft	6 ft 6		
Distances	6 ft	20 ft		
Directions from gauge	S.	West		

If gauge has been moved during the year state—

Date of move.................................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall? yes
~~(b) What note was made of the times of beginning and end of this fall?~~
(c) When was the measurement made? Dec 1. 9 a.m.

Note Nov. 8.29. 26 wet-days.

Fine on ~~14~~ 19. 20. 23. 24th Nov.

Jan & Feb totals adjusted by reference to nearby stations
AB

M.O. 7
13 FEB. 1940

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.

Price 1d. net

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone

Wt. 3079/2165 25,500 12/37 W. H. & S. 663/91 S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

⁂ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At New Radnor

In the County of Radnorshire

Rain Gauge:
- Diameter of Funnel five in.
- *Height of Top above Ground* 1 ft. – in.
- *Height of Ground above Sea Level* 750 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3.91				13
FEB.	3.86				19
MAR.	3.8				14
APRIL	3.55				11
MAY	2.61				11
JUNE	·81				4
JULY	3.77				25
AUG.	·32				7
SEPT.	1.83				16
OCT.	5.12				15
NOV.	9.85				22
DEC.	2.57				16
TOTAL	41.28			<	173

Signature C. F. Langston pp J. C. P.

* See Instruction 3 *(f)* below.

C Particulars of Station. No 4225

~~File No.~~ 66. 1528/26

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :— Mrs C. F. Langston Maes-y-fed New Radnor

Rainfall is taken monthly on 1st of month.

Hour of observation by the clock—in Winter 9 a.m. in Summer 10 a.m.

Nearest Railway Station G.W.R. N. Radnor Distance 320 yd. Direction from gauge S.

Nearest Parish Church at New Radnor Distance 500 yds. Direction from gauge N. W.

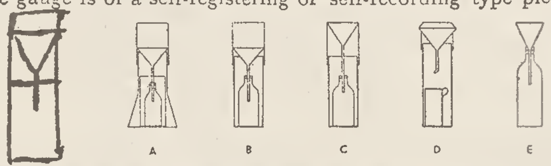
Nature of objects nearest to gauge	Wire fence	Hedge		
Height of objects	4 ft	6 ft 6"		
Distances ...	6 ft	20 ft		
Directions from gauge ...	S	West		

If gauge has been moved during the year state—

Date of move................ Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M. O. 3a.
31 JAN 1941
B. R.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: York House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 2778/2036 21,000 10/38 W. H. & S. 668/91
S.O. Code No. 40-9999

4226

4226

DISSERTH RECTORY

1931 — 37

780803

Section **A** for the entry of

AIR MINISTR

FOR OFFICIAL USE.

ORGANIZATION.

FORM 1090.

REGIS

Kept at Disserth

in the County of Rad

Diameter of Funnel of Gauge

Height of top of Gauge above Groun

,, Ground ,, Sea L

THE MORNING MEASU

An observer who does not conform to

year in the space on the right of th

llowing

Jan. 1, following

Date	Jan.	Feb.	March								Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·06	·01	–	16	04	07	01	–	53	19	64	–	1
2	04	05	t	53	45	02	t	08	77	10	–	36	2
3	13	t	t	t	–	–	08	–	20	t	2·40	29	3
4	–	–	04	15	23	t	16	46	08	03	35	28	4
5	–	06	–	06	06	86	08	06	–	t	t	53	5
6	–	17	–	12	08	03	32	–	–	49	29	04	6
7	–	02	–	–	03	07	45	35	–	19	18	12	7
8	·02	18	s t	13	t	40	t	29	–	01	25	11	8
9	t	65	s 01	09	–	29	03	t	09	19	50	01	9
10	02	06	s t	–	12	06	15	05	07	t	67	t	10
11	12	55	–	–	t	07	t	t	11	–	22	–	11
12	01	12	–	t	–	01	30	01	01	18	08	–	12
13	–	32	07	–	09	01	20	15	02	–	t	t	13
14	03	14	–	–	05	1·43	28	48	05	–	38	t	14
15	01	19	–	07	06	05	07	91	05	–	–	06	15
16	27	16	–	20	33	61	01	50	13	–	–	01	16
17	08	13	t	26	60	23	30	t	t	01	09	–	17
18	20	t	·02	07	04	36	05	34	t	–	41	–	18
19	02	11	t	06	34	50	03	89	t	–	03	–	19
20	–	17	16	02	–	t	–	13	03	–	09	04	20
21	85	01	02	t	41	t	01	t	–	–	12	–	21
22	40	07	08	05	13	–	10	09	–	–	t	–	22
23	47	02	t	30	34	02	48	–	t	–	40	06	23
24	19	06	–	38	08	–	34	–	–	–	10	–	24
25	27	23	–	40	09	–	06	–	–	–	03	t	25
26	04	07	–	13	t	–	11	–	–	–	62	–	26
27	13	71	09	02	2·30	t	07	–	–	10	15	03	27
28	14	05	18	04	31	–	05	–	–	01	t	25	28
29	09	–	15	–	10	–	32	–	05	10	11	01	29
30	05	×	–	–	t	–	t	–	10	–	–	03	30
31	65	×	–	×	20	×	t	–	×	–	×	15	31
TOTAL	4·29	4·31	·82	3·24	6·48	5·09	4·06	4·79	2·29	1·60	8·11	2·48	YEAR'S TOTAL 5 47·~~6~~6
*Days with ·01 in. or more.	24	25	10	20	23	18	25	15	15	12	22	17	2[illegible]6 229
*Days with ·04 in. or more.	18	21	7	18	22	13	20	14	~~10~~ 12	8	20	12	18~~4~~5

40-9999

M

*See Instruction 2 (f) on other side.

(Signed) J. Ll. Herbert [P.T.O.

4226

Section **A** for the entry of

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Disserth Rectory

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 712 ft.

4·00

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·06	·01	–	16	04	07	01	–	53	19	64	–	1
2	04	05	t	53	45	02	t	08	77	10	–	36	2
3	13	t	t	t	–	–	08	–	20	t	2·40	29	3
4	–	–	04	15	23	t	16	46	08	03	35	28	4
5	–	06	–	06	06	86	08	06	–	t	t	53	5
6	–	17	–	12	08	03	32	–	–	49	29	04	6
7	–	02	–	–	03	07	45	35	–	19	18	12	7
8	·02	18	s t	13	t	40	t	29	–	01	25	11	8
9	t	65	s 01	09	–	29	03	t	09	19	50	01	9
10	02	06	s t	–	12	06	15	05	07	t	67	t	10
11	12	55	–	–	t	07	t	t	11	–	22	–	11
12	01	12	–	t	–	01	30	01	01	18	08	–	12
13	–	32	07	–	09	01	20	15	02	–	t	t	13
14	03	14	–	–	05	1·43	28	48	05	–	38	t	14
15	01	19	–	07	06	05	07	91	05	–	–	06	15
16	27	16	–	20	33	61	01	50	13	–	–	01	16
17	08	13	t	26	60	23	30	t	t	01	09	–	17
18	20	t	·02	07	04	36	05	34	t	–	41	–	18
19	02	11	t	06	34	50	03	89	t	–	03	–	19
20	–	17	16	02	–	t	–	13	03	–	09	04	20
21	85	01	02	t	41	t	01	t	–	–	12	–	21
22	40	07	08	05	13	–	10	09	–	–	t	–	22
23	47	02	t	30	34	02	48	–	t	–	40	06	23
24	19	06	–	38	08	–	34	–	–	–	10	–	24
25	27	23	–	40	09	–	06	–	–	–	03	t	25
26	04	07	–	13	t	–	11	–	–	–	62	–	26
27	13	71	09	02	2·30	t	07	–	–	10	15	03	27
28	14	05	78	04	31	–	05	–	–	01	t	35	28
29	09	–	15	–	10	–	32	–	05	10	11	01	29
30	05	×	–	–	t	–	t	–	10	–	–	03	30
31	65	×	–	×	20	×	t	–	×	–	×	1·5	31
TOTAL	4·29	4·31	·82	3·24	6·48	5·09	4·06	4·79	2·29	1·60	8·11	2·48	YEAR'S TOTAL 47·56
*Days with ·01 in. or more.	24	25	10	20	23	18	25	15	15	12	22	17	226
*Days with ·04 in. or more.	18	21	7	18	22	13	20	14	~~10~~ 12	8	20	12	185

40-9999

M

*See Instruction 2 (*f*) on other side.

(*Signed*) J. Ll. Herbert

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4226

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Disserth Rectory

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft in.

" Ground " Sea Level 712 ft.

File Ref..706492/26

Station NO.4226

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	.42	-	-	.04	1.87	.02	.25	.48	.25	.01	.20	.15	1
2	.20	-	-	.32	.18	-	tr	.06	.30	.05	.14	.41	2
3	.10	.02	-	.26	tr	-	.28	.01	tr	.07	.06	.10	3
4	.07	-	-	.83	-	-	.05	-	-b	-	.57	.01	4
1-20 5	1.20	-	.14	.01	-	-	.-	tr	.21	-	tr	-	5
6	.80	-	.16	.46	.01	-	.17	tr	.28	.06	tr	-	6
7	.15	-	.22	.20	.03	-	.06	tr	.56	1.38	-	-	7
8	.04	-	.19	.12	.12	-	tr	.01	.01	.05	-	-	8
9	.85	.05	.01	.22	.07	-	-	-	tr	.36	tr	-	9
10	.65	-	-	.39	.06	-	-	-	.51	.02	-	-	10
11	.17	tr	-	.11	.19	.02	-	-	.02	-	tr	-	11
12	.66	-	-	.05	.40	-	-	.01	.28	.41	-	.03	12
13	.11	.05	-	.14	.04	-	.75	.19	.01	.07	.03	.38	13
14	.40	.02	-	.17	.01	-	-	.03	tr	.08	.20	.05	14
15	.06	-	-	.01	.25	-	.02	-	-	.02	-	.03	15
16	.60	-	-	.30	tr	-	.29	-	-n	.02	-	.04	16
17	.01	-	-	tr	.05	-	.05	-	.01	.17	-	-	17
18	.02	-	-	tr	.08	-	-	-	.01	.01	.34	tr	18
19	tr	-	-	.10	.50	-	-	-	tr	.27	.01	.01	19
20	-	-	tr	.16	.58	-	.02	.73	-	.85	.08	.10	20
21	.01	-	.11	.10	tr	-	-	.27	-	1.05	.11	.06	21
22	.01	-	.01	.07	.09	-	-	-	.66	.39	.32	.16	22
23	-	.03	.02	.01	.16	-	.10	-	.01	.34	.26	.16	23
24	.09	-	-	-	.01	tr	.07	-	.25	.08	.05	tr	24
25	tr	.01	-	.03	.10	tr	.05	-	.15	.42	.20	-	25
26	-	.01	.13	.18	-	-	.05	-	.24	.24	.13	.01	26
27	-	-	.53	.11	.31	.04	.13	-	tr	.17	.12	.04	27
28	.-	-	.29	.02	.16	tr	.34	.01	-	-	.02	.01	28
29	-	-	.54	.15	.44	.19	.07	.50	.20	.87	.33	.30	29
30	-	×	.28	.25	tr	.80	.23	.10	.03	.11	.34	.03	30
31	-	×	-	×	.02	×	.38	.05	×	.02	×	.33	31
TOTAL	6.62	.19	2.63	4.81	5.73	1.07	3.36	2.45	3.99	7.59	5 3.71	2.41	YEAR'S TOTAL 3 44.56
*Days with ·01 in. or more.	21	7	13	27	24	5	19	13	19	27	19	20	214
*Days with .04 in. or more.	17	2	10	21	19	3	17	8	12	21	16	13	159

40-9999 M

*See Instruction 2 (*f*) on other side.

(Signed) J. W. Herbert

verified copy

P.T.O.

4226

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No ~~4226~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Disserth Rectory

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft ..... in.

,, Ground ,, Sea Level 712 ft.

Corrected by Monthly Cards.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	.34	.71	.13	-	tr	-	-	-	.03	.17	.07	.83	1
2	.65	-	.26	-	.12	.27	-	tr	-	-	.05	-	2
3	.12	.36	.21	-	.05	-	-	-	-	-	tr	-	3
4	.41	.24	.08	-	.06	-	-	-	-	-	-	-	4
5	.18	.08	.23	-	.05	-	-	-	-	-	tr	-	5
6	tr	.25	.10	tr	.05	-	.02	-	-	.29	tr	-	6
7	.35	.22	.03	-	-	-	.03	-	-	1.08	tr	.01	7
8	.16	.07	.06	tr	.12	-	.11	tr	-	-	-	.02	8
9	-	.06	-	-	.01	.03	1.35	.01	-	1.06	.08	-	9
10	.17	.05	-	-	-	.08	.30	.05	-	2.03	.03	-	10
11	.01	-	-	-	-	.59	.22	.04	-	.19	-	.03	11
12	.01	-	-	-	-	tr	.30	-	-	.01	-	.02	12
13	-	-	-	-	.07	.02	.27	.27	-	.78	.24	-	13
14	.07	-	.02	-	-	-	.10	.05	-	.01	.11	-	14
15	.31	-	.13	-	-	-	tr	.05	-	.09	-	-	15
16	.04 ~~.16~~	-	.43	-	-	.13	.04	.02	-	.26	tr	-	16
17	-	.29	.44	-	-	.37	.05	.01	-	-	.01	-	17
18	.23	tr	.16	tr	-	.52	-	.02	tr	-	.04	.02	18
19	tr	-	.48	tr	-	-	.04	.06	.42	-	.45	.01	19
20	-	.02	.16	-	.23	1.22	-	.06	.33	-	tr	-	20
21	-	.07	-	-	.15	.15	-	.14	.02	.10	tr	.01	21
22	-	-	-	.07	.25	.24	-	.18	.25	.08	-	-	22
23	-	.21	-	.15	-	.29	-	-	.03	.18	-	-	23
24	-	.65	-	.11	.06	.88	-	-	.02	.29	-	-	24
25	-	.23	-	.30	.02	.08	-	-	.09	tr	-	.15	25
26		.64	-	.14	.22	tr	-	-	.08	.22	-	.01	26
27	-	.10	-	tr	-	-	-	-	.03	tr	-	.22	27
28	-	.04	-	.32	-	tr	.05	.03	-	.02	-	.02	28
29	tr	-	.11	.04	-	-	tr	.06	-	-	-	.04	29
30	.01	×	.14	.02	-	-	.13	-	.19	.07	-	.20	30
31	.75	×	.22	×	-	×	tr	.03	×	.17	×	tr	31
TOTAL	3.81	4.29	3.39	1.15	1.46	4.87	3.01	1.08	1.49	7.10	1.08	1.59	YEAR'S TOTAL 34.~~32~~
*Days with ·01 in. or more.	16 ✓	~~17~~ 18	18 ✓	8 ✓	14 ✓	14 ✓	14 ✓	16 ✓	11 ✓	19 ✓	9 ✓	14 ✓	17~~0~~
*Days with .04 in. or more.	13 ✓	17 ✓	16 ✓	7 ✓	12 ✓	12 ✓	12 ✓	10 ✓	6 ✓	16 ✓	7 ✓	5 ✓	133 ✓

40-9999

*See Instruction 2 (*f*) on other side.

D M

(Signed) I. G. Herbert

P.T.O.

w w ✓ B

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4226

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Disserth Rectory

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft ... in.

,, Ground ,, Sea Level ... ft.

400

2dcfe
3 Days
alf

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	–	·02	–	–	–	–	·28	18	·33	·42	·38		1
2	·02	–	11	–	–	–	–	16	·23	✗	08	55		2
3	10	tr	02	–	07	–	–	19	23	1·26	01	38		3
4	18	–	37	·18	20	–	–	01	18	✗	11	54		4
5	tr	–	08	02	28	–	·	66	~~13~~	04	06	19		5
6	23	–	02	tr	85	·04	–	02	01	36	–	59		6
7	18	–	02	–	02	–	–	01	tr	09	02	46		7
8	–	–	–	–	16	tr	–	tr	04	04	34	91		8
9	02	tr	23	–	–	–	–	35	–	tr	61	31		9
10	21	–	22	20	–	–	–	32	–	–	09	18		10
11	92	–	21	43	–	tr	·21	16	–	–	tr	16		11
12	02	–	04	02	–	–	29	06	–	–	–	14		12
13	77	–	–	42	–	tr	–	tr	–	12	–	05		13
14	06	–	83	03	–	11	–	–	–	28	16	30		14
15	08	–	85	–	–	tr	04	01	03	55	12	60		15
16	72	–	40	tr	24	–	–	–	25	02	08	02		16
17	46	–	30	35	06	–	40	–	05	01	tr	59		17
18	50	–	04	29	08	–	–	02	10	–	–	61		18
19	02	–	16	tr	04	21	–	06	13	02	01	55		19
20	–	–		08	07	–	01	01	01	04	02	03		20
21	–	–	02	07	01	13	25	15	02	19	tr	02		21
22	04	–	08	tr	08	–	–	27	54	10	tr	50		22
23	tr	–	07	39	tr	30	–	09	03	02	tr	01		23
24	–	31	08	03	–	08	–	–	13	02	–	–		24
25	25	10	tr	tr	06	08	–	–	25	43	–	82		25
26	10	02	01	30	–	29		–	25	01	02	10		26
27	01	–	–	tr	–	20	tr	02	02	05	tr	16		27
28	–	–	–	36	–	02	17	33	18	09	05	38		28
29	–	–	–	40	–	–	44	02	12	15	01	13		29
30	01	×	–	–	–	–	07	15	33	09	–	81		30
31		×	–	×	–	×	03	08	×	08	×	17		31
TOTAL	4·90	·43	4·18	3·57	2·22	1·46	1·92	3·43	3·31	4·39	2·21	10·64	Year's Total ~~42·66~~5	
*Days with ·01 in. or more.	21	3	22	16	14	10	~~N~~ 10	23	22	26	17	30	21~~5~~4	
*Days with ·04 in. or more.	15	2	16	12	12	9	8	15	16	20	11	26	162	

40-9999

*See Instruction 2 (f) on other side.

M

† Spare column, no entries required.

(*Signed*) T. A. Herbert

[P.T.O.

Llandrindod Wells (Howey)

COPY FOR OFFICIAL USE.

Station No. 4226.

Section A for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Crossways, Howey.

in the County of Radnor.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 702 ft.

Gauge removed from Disserth Rectory ground to adjoining garden at Crossways on 1st September 1935 at 10 a.m.: (Records for Jany to August affixed hereto).

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

400

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	tr	11			trace	·10	nil	·60	·15	·05	·61		1
2		03	-		tr	tr	trace	nil	·36	·11	·08	·28		2
3	tr	07	15	06		·04	·02	nil	·02	·16	·33	·14		3
4	·04	tr	07	13		·01	trace	nil	·03	·12	·01	·14		4
5	·04	51	01	10		·10	trace	nil	·05	trace	·10	·05		5
6	-	-		39		·41	nil	nil	tr	·15	·20	·17		6
7	-	-		55		·60	nil	nil	nil	·17	trace	·23		7
8	s 02	-		46		·05	nil	nil	nil	·25	·13	·20		8
9	s 07	-		75		·25	nil	nil	nil	1·30	·15	nil		9
10	03	-		68		tr:	nil	·07.	nil	·17	·25	nil		10
11	63	17		01	tr	·18	nil	·03	nil	·10	·20	nil		11
12	03	17		-		·25	nil	·05	·02	·01	·45	nil		12
13	08	04		15	·03	tr:	nil	nil	·10	·09	·50	nil		13
14	tr	02		03	tr	·08.	nil	nil	·48	·01	1·00	·25.		14
15	-	1·33		53	·03	·03	nil	·03	·10	·12	·23	·24		15
16	tr	·48	02	57		nil	·15	trace	1·47	·23	·38	·36		16
17		01		30	46 s	·15.	·04	·06	·14	trace	·09	nil		17
18		06		44	03	·07.	nil	·17	1·01	·50	trace	nil		18
19	-	14		12	·44	·41	·15	trace	·11	·23	·15	nil		19
20	-	92		18	·35	·05	·01.	nil	·02	trace	·63	nil		20
4·96 21	-	1·01	·03	05	tr	nil	trace	nil	·33	·13	·15	nil		21
22	-	·06	11	01	nil	tr	nil	nil	·23	·01	trace	nil		22
23	02	31	85	04	tr	tr	nil	·01	·09	·39	nil	nil		23
24	15	65	02	12	nil	·08	nil	trace	1·50	·20	nil	·20		24
25	53	03	01	10	nil	1·50	nil	nil	trace.	·01	·05	·10		25
26	tr	21		-	nil	tr	nil	·81	·34	·06	·10	·30		26
27	-	11		-	·01.	tr.	trace	·01.	·67	·18	·27	·06		27
28	05	11		-	tr:	nil	trace	·12	·19	·10	·13	·02		28
29	-		tr	-	nil	nil	nil	·01	·17	·15	·20	·42		29
30	02	×		11	nil	·10	nil	·15.	·09	·85	1·31	·21		30
31	-	×		×	·02	×	nil	·01.	×	·40	×	·12	D	31
													Year's Total.	
TOTAL	1·71	6·44	1·43	5·88	1·37	4·36	·47	1·47	8·12	6·35	7·14	4·10	48·84	
* Days with .01 in. or more.	13	21	10	23	8	18	6	13	23	28	25	19	207	
* Days with .04 in. or more.	8	17	6	20	3.	16.	4	6.	19	24	24	18	165	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) H Wheeler.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. ~~6015~~ 4226

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Llandrindod Wells ~~[illegible]~~

in the County of Radnor ~~[illegible]~~ Howey

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level 700 ft.

Copy by B.R.O.

400

Letter sent 2/2/37

[illegible]

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·17	·16	tr	·22	–	·25	·06	·03	tr.	–	·09	·23		1
2	·08	·05	–	·07	–	·73	·05	·01	·18	–	·03	·02		2
3	·08	–	·02	tr	–	·02	tr	·05	·38	–	·02	·08		3
4	·01	·01	·19	tr	–	·13	–	·07	·64	–	·94	·30		4
5	·43	·05	·15	–	·06	·01	·13	·11	·06	–	·12	·42		5
6	·61	tr	·02	–	tr	·04	·25	·09	·10	–	·65	·02		6
7	·04	–	·03	–	–	–	·17	tr	·53	–	·46	·02		7
8	·35	–	·15	–	–	–	·20	–	·04	–	·92	·01		8
9	1·59	–	·02	–	–	·02	·80	–	·50	·02	·08	·01		9
10	·26	tr	tr	–	–	–	·11	–	·02	–	·20	·01		10
11	tr	tr	–	·05	·02	·17	·02	·03	·17	·01	·80	·08		11
12	–	–	–	·05	·15	·12	1·02	·02	·24	·02	·04	·34		12
13	–	tr	–	·01	tr	·03	·05	tr	·25	·05	·10	1·75		13
14	–	·05	–	·15	tr	·09	·03	tr	·21	·01	·07	·78		14
15	–	tr	–	·04	·60	·01	·01	tr	·01	–	·30	·12		15
16	·09	·04	–	·05	·20	·02	·05	tr	nil	–	·38	·05		16
17	–	·72	–	·09	·10	tr	·56	·01	nil	·33	·04	1·12		17
18	–	·25	–	·02	tr	·08	·60	·05	nil	·44	tr	·13		18
19	·38	·08	·05	·25	–	·27	·16	·04	nil	·06	–	·02		19
20	·12	·20	·06	tr	–	·65	·04	·02	·07	·01	–	·03		20
21	·10	tr	·02	·75	–	1·10	·07	–	·01	·02	–	·01		21
22	·03	·15	·55	tr	·14	·21	·45	–	nil	·00	–	·06		22
23	·08	·12	·55	·06	·04	tr	·31	–	·02	·70	–	·01		23
24	·14	·02	tr	·13	·07	tr	·04	–	·21	·35	–	–		24
25	·15	tr	·18	·90	–	–	·53	–	·34	·30	–	–		25
26	·17	·08	·35	·01	–	·03	·10	–	·01	·50	·02	–		26
27	·18	·07	·05	–	–	–	·06	–	·13	·47	–	–		27
28	·45	·10	·26	·02	–	·13	·18	–	·02	·03	·06	·17		28
29	·06	·04	·34	–	·05	·75	·06	–	nil	·02	·01	·19		29
30	·10	✕	·05	–	·17	·31	·05	–	nil	·00	·02	·05		30
31	·51	✕	·24	✕	·51	✕	·09	–	✕	TR	✕	·67		31
TOTAL	6·18	2·19	3·26	2·87	2·11	5·17	6·19	·53	4·14	4·05	5·35	6·70	Year's Total ~~48·[illegible]4~~ 48·74	
* Days with .01 in. or more.	24	17	19	17	12	22	29	12	22	19	21	27	~~24[illegible]~~ 241	
* Days with .04 in. or more.	22	15	14	13	11	15	25	6	16	10	16	17	180	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) H. Wheeler

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Copy by B.R.O. Station No. 4226

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Llandrindod Wells, Howey

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Lying end of Oct. to reply
see 1096 for copy

Oct. estimated by nearby station

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.18	.22	.03	.05	–		.03		.35		–			1
2	.38	.77			–		–		.07		.01			2
3	.05	.39			.28	.19	.03		.01		.01			3
4	.16	.15	.01	.05	.22	.08	–	.21			.01			4
5	1.21	.01	.07	.07	.01		.10				.01			5
6	.71	.07	.08	.20	.05		–		.03		–			6
7		.54	.05	.30	–	.18	–		.06		–			7
8	.01	.22		.03	.06	.28	.18		.09		–			8
9	.01	.02		.04	.03	.02	.10		.40		–			9
10	.04	.05	.33	.03	–	.04	–				–			10
11	.03	03	.35	.03	.19	.48	.28				–			11
12	.62	.36	.06		.01	.15	.04	.08	.24		.25			12
13	.31	.04	.01	.29	–	.02	–	.03	.22		–			13
14		.03	.03	.03	–		.02	.01	.06		–			14
15	.40	.35	.01	.49	–		1.10		.16		–			15
16	.17	.36	.67	.19	–		.01	.25	.14		–			16
17	.62	.08	.42	.01	–		–		.27		–			17
18	.60	.16	.39		–	.07	.16	.01	.07		–			18
19	.16	.06	.12	.20	–	.22	.18				–			19
20	.53	.30	.12	.63	–	.11	.18				–			20
21	.41	.30	.09	.13	.11		.09				–			21
22	.20	.02	.04	.01	.20		.51				–			22
23	.14	.15			.13		.07				.75			23
24	.40	.44	.15		.02		–		.08		.03			24
25		.75			.05		–		.04	.25	–			25
26		.41	.07		.25		–			.15	–			26
27		.42		.02	.01		–				–			27
28		.13			–	.02	–			.25	–			28
29					–	.03	–		.25	.15	–			29
30	.15	✕			–	.02	–	.06	.17	.33	.15			30
31	.33	✕		✕	–	✕	–	.02	✕	.15	✕			31
TOTAL	7.82	6.83	3.10	2.80	1.62	1.91	3.08	.67	2.71	(3.00) ~~1.28~~	1.22	..	Year's Total ..	✓
* Days with .01 in. or more.	24	28	20	19	15	15	16	8	18	~~6~~	8			
* Days with .04 in. or more.	21	23	15	12	10	10	12	4	16	~~6~~	3			Gs. defective

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

4226/2

LLANDRINDOD WELLS,
THE COMMON

1935-40

NO RECORDS 1941-46

780803

Section **A** for the entry ... Station No. 4226/5

AIR MINIST... ORGANIZATION.

FORM 1090.

REG... 5.

Radnor/1

Kept at LLANDRINDOD W...

in the County of RA... /34

Diameter of Funnel of Gauge... 5in

Height of top of Gauge above Gr...

,, Ground ,, Se...

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1					Trace	Trace	.08		.60	.10	.02	.58		1
2					Trace	Trace	Trace		.34	.09	.09	.18		2
3						.03	Trace		.04	.20	.20	.08		3
4						.01	Trace		.05	.11	Trace	.20		4
5						.18			.03		.06	.04		5
6						.46				.06	.26	.19		6
7						.49				.16		.20		7
8					Trace	.02				.19	.12	.19		8
9					Trace	.24				.95	.14			9
10						Trace		.01		.12	.33			10
11					Trace	.19		.03		.13	.16			11
12						.26		.02	.02		.34			12
13					.02	.02			.14	.08	.47			13
14					Trace	.12			.40	.01	.98	.24		14
15					.06	Trace		.08	.08	.06	.22	.23		15
16					.06	Trace		Trace	.88	.20	.36	.07		16
17					.41	.10	.08	.08	.11	Trace	.08			17
18					.02	.06	.04	.11	.80	.23	Trace			18
19					.37	.36	Trace		.11	.25	.10			19
20					.16	.04	.13		.03	Trace	.61			20
21						Trace	Trace		.27	.07	.15			21
22							Trace		.22	Trace				22
23						Trace	.01	Trace	.09	.34		.06		23
24						.06		Trace	1.58	.16		.10		24
25						1.30		Trace	Trace	Trace	.03	.06		25
26						.01		.73	.31	.05	.07	.26		26
27					.09	Trace	Trace	Trace	.63	.14	.18	.03		27
28					Trace			.03	.19	.06	.05	.02		28
29					.02			.02	.15	.04	.18	.29		29
30		X				.07		.09	.09	.55	.92	.14		30
31		X		X	.03	X		Trace	X	.33	X	.12		31
TOTAL					1.24	4.02	.34	1.20	7.16	4.68	6.12	3.28	Year's Total. ~~28.04~~	
* Days with .01 in. or more.					4	5	1	5	3	1	2	2	~~23~~	
* Days with .04 in. or more.					6	14	4	5	20	24	22	18	~~113~~	

40-9999 THE CLERK, U.D.C.

N

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) R. T. Morris

[P.T.O.

Section **A** for the entry of Daily Observations. Station No. 4226/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Radnor/1

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at LLANDRINDOD WELLS (The Common)

in the County of RADNOR.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 772 ft.

780803

File No 322426/34

Climat: Stn

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1					Trace	Trace	.08		.60	.10	.02	.58		1
2					Trace	Trace	Trace		.34	.09	.09	.18		2
3						.03	Trace		.04	.20	.20	.08		3
4						.01	Trace		.05	1.11	Trace	.20		4
5						.18			.03		.06	.04		5
6						.46				.06	1.26	1.19		6
7						.49				.16		.20		7
8					Trace	.02				.19	.12	.19		8
9					Trace	.24				.95	.14			9
10						Trace		.01		.12	.33			10
11					Trace	.19		.03		.13	.16			11
12						.26		.02	.02		.34			12
13					.02	.02			.14	.08	.47			13
14					Trace	.12			.40	.01	.98	.24		14
15					.06	Trace		.08	.08	.06	.22	.23		15
16					.06	Trace		Trace	.88	.20	.36	.07		16
17					.41	.10	.08	.08	.11	Trace	.08			17
18					.02	.06	.04	.11	.80	.23	Trace			18
19					.37	.36	Trace		.11	.25	.10			19
20					.16	.04	.13		.03	Trace	.61			20
21						Trace	Trace		.27	.07	.15			21
22							Trace		.22	Trace				22
23						Trace	.01	Trace	.09	.34		.06		23
24						.06		Trace	1.58	.16		.10		24
25						1.30		Trace	Trace	Trace	.03	.06		25
26						.01		.73	.31	.05	.07	.26		26
27					.09	Trace	Trace	Trace	.63	.14	.18	.03		27
28					Trace			.03	.19	.06	.05	.02		28
29					.02			.02	.15	.04	.18	.29		29
30		X				.07		.09	.09	.55	.92	.14		30
31		X		X	.03	X		Trace	X	.33	X	.12		31
TOTAL					1.24	4.02	.34	1.20	7.16	4.68	6.12	3.28	Year's Total. ~~28.04~~	
* Days with .01 in. or more.					4	5	1	5	3	1	2	2	~~23~~	
* Days with .04 in. or more.					6	14	4	5	20	24	22	18	~~113~~	

40-9999 THE CLERK. U.DC N

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) R.T. Morris

[P.T.O.

COPY FOR OFFICIAL USE.

A for the entry of Daily Observations.

Station No. ~~264~~/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Llandrindod Wells

in the County of Radnor

Diameter of Funnel of Gauge ..... in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 772 ft.

Dup

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1												·58		1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9										·95				9
10														10
11														11
12														12
13														13
14											·98			14
15														15
16														16
17														17
18														18
19														19
20							·13							20
21														21
22														22
23														23
24									1·58					24
25														25
26								·73						26
27														27
28														28
29														29
30		✕												30
31		✕		✕		✕			✕		✕			31
TOTAL	New station.						0·34	1·20	7·16	4·68	6·12	3·28	Year's Total	
*Days with ·01 in. or more.							5	10	23	25	24	20		
*Days with .04 in. or more.							4	5	20	24	22	18		

† Spare column; no entries required.

✓ (Signed) .....

40-9999

N

*See Instruction 2 (*f*) on other side.

[P.T.O.

4226/2

COPY FOR OFFICIAL USE.

Section | A | for the entry of Daily Observations. Station No. 264/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM [illegible]0.

REGISTER OF RAINFALL IN 1936.

small ca *Kept at* Llandrindod Wells (The Common)

in the County of Radnor /1

Com. up 1935

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 772 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·14	·15	·05	·19	—	·27	·06	·02	—	—	·06	·20		1
2	·10	·09	—	·08	—	·65	·03	·01	·20	—	·04	·06		2
3	·02	·01	·04	—	—	·01	·07	—	·41	—	—	·04		3
4	·03	—	·08	—	—	·12	—	—	·58	—	·78	·18		4
5	·31	·04	·11	—	—	—	·11	·13	·01	—	·06	·35		5
6	·60	—	·02	—	·03	·02	·30	·03	·10	—	·49	·01		6
7	·03	—	—	—	—	—	·10	—	·39	—	·37	·03		7
8	·25	—	·13	—	—	—	·25	—	·01	—	·65	—		8
9	1·07	—	·01	—	—	—	·90	—	·40	—	·09	—		9
10	·09	·02	—	—	—	·02	·19	—	—	—	·06	—		10
11	—	·24	—	·07	·02	—	—	·02	·23	·01	·71	·15		11
12	·01	—	—	·05	·11	·14	·84	·01	·15	—	·03	·14		12
13	—	—	—	·02	—	·14	·08	—	—	·03	·07	1·10		13
14	—	—	—	·11	—	·01	·07	—	·18	—	·08	·32		14
15	·02	—	—	·02	·52	·11	·02	—	—	—	·16	·06		15
16	·06	·03	—	·06	·25	·01	—	—	—	—	·03	·10		16
17	·20	·53	—	·03	·10	—	·55	—	—	·19	·02	·70		17
18	—	·17	—	·05	—	—	·62	—	—	·30	—	·03		18
19	·31	·09	·05	·17	—	·22	·15	·07	—	·04	—	—		19
20	·12	·14	·05	—	—	·50	—	—	—	—	—	·04		20
21	·05	—	·03	·64	—	1·87	—	—	·05	—	—	·03		21
22	·04	·13	·44	—	·24	—	·50	—	—	—	—	—		22
23	·06	·06	·53	·05	·01	·11	·19	—	—	·07	—	—		23
24	·12	·03	—	·05	—	—	—	—	—	·52	—	—		24
25	·15	—	·14	·80	·06	—	·43	—	·16	·28	—	—		25
26	·19	·07	·34	—	—	—	·18	—	·36	·20	—	—		26
27	·13	·11	·04	—	—	—	·03	—	·02	·16	—	—		27
28	·41	·10	·18	—	—	·06	·05	—	·04	·02	—	·13		28
29	·06	·09	·23	—	—	·54	—	—	—	—	·06	·15		29
30	·11	×	·04	—	·18	·31	—	—	—	·73	—	·07		30
31	·15	×	·22	×	·42	×	·10	—	×	—	×	·60		31
TOTAL	4·83 ✓	2·10 ✓	2·73 ✓	2·39 ✓	1·94 ✓	5·11 ✓	5·82 ✓	0·29 ✓	3·29 ✓	2·55	3·76	4·49	Year's Total 39·30	✓
* Days with .01 in. or more.	27	18	19	15	11	18	23	7	16	12	17	21	204	✓
* Days with .04 in. or more.	22	14	16	12	8	13	20	2	13	9	14	17	160	✓

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) The Clerk to the U.D.C.

P.T.O.

264/5

COPY FOR OFFICIAL USE.

Section | A | for the entry of Daily Observations. Station No. 4226/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Llandrindod Wells (The Common)

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 772 ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·13	·06	—	—	—	—	·12	—	·09	·17	—	·25		1
2	·17	·74	—	·14	—	—	·02	—	·34	—	—	·62		2
3	·03	·24	—	—	—	·09	·02	—	·03	—	—	·02		3
4	·21	·09	·02	·03	·09	·08	—	·27	—	—	—	·78		4
5	·81	—	·09	·06	—	—	·07	—	—	—	—	—		5
6	·35	·16	·05	·22	·07	—	—	—	—	·03	·01	—		6
7	—	·41	·04	·20	—	·18	—	—	·05	—	·01	—		7
8	—	·19	—	·03	·06	·27	·16	—	·06	—	·21	—		8
9	—	—	—	·04	·02	·02	·12	—	·47	—	—	—		9
10	·04	—	·19	·05	—	·03	·01	—	—	—	—	·40		10
11	·02	·12	·33	·03	—	·39	·21	—	—	—	—	·05		11
12	·47	·24	·06	—	—	·10	·03	·04	·30	—	—	·11		12
13	·31	·05	·02	·31	—	·01	—	·02	·07	—	·02	·03		13
14	—	·02	·05	·01	—	—	·01	—	·09	—	·02	·13		14
15	·23	·27	·11	·41	—	—	·99	—	·13	—	—	·11		15
16	·14	·25	·44	·06	—	—	—	·06	·10	—	—	—		16
17	·74	·07	·40	—	—	—	—	—	·24	—	·07	—		17
18	·20	·15	·51	—	—	—	·15	—	·95	—	—	·20		18
19	·09	·06	·14	·19	—	·17	·16	—	·05	—	—	—		19
20	·53	·26	·14	·66	—	·08	·18	—	—	—	—	·15		20
21	·35	·22	·05	·06	—	—	·09	—	—	—	—	—		21
22	·07	·04	·07	—	·26	—	·50	—	—	·38	·27	·14		22
23	·21	·11	—	—	·12	—	·04	—	—	·22	·14	·12		23
24	·25	·42	—	—	—	—	—	—	·07	·37	—	·03		24
25	—	·76	·13	—	·05	—	—	—	·03	·11	—	·03		25
26	—	·32	·05	—	·21	—	—	—	—	—	—	—		26
27	—	·48	—	·30	—	—	—	—	—	·40	—	—		27
28	—	·26	—	—	—	·01	—	—	—	·11	—	·01		28
29	—	X	—	—	—	·07	—	—	—	·89	·11	—		29
30	·25	✕	—	—	—	—	—	—	·04	—	·36	—		30
31	·26	✕	—	✕	—	✕	—	·19	✕	·27	✕	—		31
TOTAL	5·86	5·99	2·89	2·80	·88	1·50	2·88	·58	3·11	2·95	1·22	3·18	Year's Total 33·84	
* Days with .01 in. or more.	22	25	19	17	8	13	17	5	17	10	10	17	180	
* Days with .04 in. or more.	20	24	17	13	7	9	12	4	15	9	6	12	148	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

264/5

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. H226/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM [illegible]90

REGISTER OF RAINFALL IN 1938

Kept at Llandrindod Wells (The Common).

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 772 ft.

400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·35	–	–	–	·91	·28	·11	–	·37	·38	·25		1
2	–	·12	–	11	·05	–	·12	–	–	·14	–	·03		2
3	–	–	–	–	·05	·04	·36	–	–	·90	·09	·05		3
4	–	–	–	–	–	·02	·69	·26	–	·40	·06	·25		4
5	–	–	–	–	–	–	·05	·07	·11	·16	·04	·09		5
6	·20	–	–	–	–	·48	85	–	–	·60	·03	·28		6
7	·25	–	–	–	–	–	·19	·33	·08	·21	–	·10		7
8	·25	·12	–	–	–	–	–	·12	–	·53	–	·03		8
9	·30	·11	–	–	–	·18	·05	·04	–	–	–	·83		9
10	·31	–	–	–	–	–	·37	·71	–	·31	–	·38		10
11	·74	·11	–	–	–	·05	–	·05	–	·06	·26	·31		11
12	·45	–	–	–	·27	·02	–	–	–	·45	·92	·25		12
13	·08	–	–	–	·05	–	–	–	–	·12	·28	·21		13
14	·82	–	–	–	·03	–	·04	–	–	–	–	–		14
15	·42	–	·04	–	·60	–	·09	–	–	·03	–	·36		15
16	·30	–	·04	–	·02	–	–	–	–	·01	·02	–		16
17	–	·22	–	–	–	–	–	–	·18	·14	–	–		17
18	·15	–	–	–	–	·04	–	·37	·25	–	·31	–		18
19	–	–	–	–	–	–	–	–	–	–	·62	–		19
20	·29	–	–	–	–	–	–	·05	·04	–	·29	–		20
21	–	–	–	–	–	–	–	·12	·07	–	·24	–		21
22	·03	–	–	·06	–	·08	–	·03	–	–	·02	·03		22
23	·01	–	–	·04	·10	–	·09	–	–	–	·73	–		23
24	·15	·13	·18	–	·11	·05	–	·32	·06	·10	–	–		24
25	·08	·11	·02	–	–	·03	·10	·53	–	·36	1·19	–		25
26	·36	·72	·04	–	·29	·67	–	–	–	·34	·01	–		26
27	·15	·25	–	–	·81	·02	·37	·31	·12	–	·66	–		27
28	·33	·23	–	–	–	·53	·14	·05	·09	–	–	–		28
29	·38	×	–	–	·55	·01	·07	–	–	·10	·12	·02		29
30	·11	×	–	–	·11	·32	·01	–	·21	–	·59	–		30
31	·25	×	–	×	·36	×	–	–	×	–	×	·71		31
TOTAL	6·41	2·47	·32	·21	3·40	3·45	3·87	3·47	1·21	5·33	6·86	4·18	Year's Total 41·18	
* Days with .01 in. or more.	~~23~~	~~11~~	~~5~~	~~3~~	~~14~~	~~16~~	~~17~~	~~16~~	~~10~~	~~19~~	~~20~~	~~17~~	~~171~~	
* Days with .04 in. or more.	~~21~~	~~11~~	~~4~~	~~3~~	~~12~~	~~11~~	~~16~~	~~15~~	~~10~~	~~17~~	~~16~~	~~13~~	~~149~~	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

3·00

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4226/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

F 1090

REGISTER OF RAINFALL IN 1939

Kept at Llandrindod Wells (The Common)

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 772 ft.

~~4400~~

Jne

T L

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1				·55										1
2														2
3														3
4			·32											4
5					·17									5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14	1·05													14
15						·84								15
16														16
17														17
18														18
19														19
20														20
21														21
22		·78												22
23														23
24														24
25														25
26														26
27														27
28														28
29		✕					1·33							29
30		✕												30
31		✕		✕		✕			✕		✕			31
TOTAL	6·89	3·25	1·42	3·02	·53	2·55	7·16						Year's Total	up imp
* Days with .01 in. or more.	22	17	12	16	6	13	19	NOT RECEIVED						
* Days with .04 in. or more.	21	14	8	14	6	10	17							

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) ....

P.T.O.

264/5

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4226/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19340

Kept at Llandrindod Wells (The Common)

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 772 ft.

Inc.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15														15
16														16
17														17
18														18
19														19
20														20
21														21
22														22
23														23
24														24
25														25
26	1·30													26
27														27
28														28
29														29
30		✕												30
31		✕		✕		✕			✕		✕			31
TOTAL	(3·21)												Year's Total	np
* Days with .01 in. or more.	(9)					CEASED								imp.
* Days with .04 in. or more.	(8)													

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ……………………

[P.T.O.

PRESTEIGN (CORTON H

4226/5

PRESTEIGN CORTON HOUSE
1938 — 40

780803

Section **A** for the entry of D
AIR MINISTRY

ion No. 4226/5
ORGANIZATION

FORM 1090

REGIST

Kept at ....Corton House.....
in the County of ~~X~~ Radnorshire
Ra

34/37

Diameter of Funnel of Gauge....5"...

Height of top of Gauge above Grou

,, Ground ,, Sea

arith. 8

THE MORNING MEASURE

DAY

An observer who does not conform to
year in the space on the right of this

owing

Jan. 1, following

Plea

Date	Jan.	Feb.	Mar.	Ap								Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	--	.09	.13	--	--	.67	--	.25	--	.21	.02	.23		1
2	--	.04	--	.05	.08	--	.05	--	--	.16	.02	--		2
3	--	--	--	.01	.11	.01	.38	--	--	.74	tr	--		3
4	--	--	--	--	--	.03	.36	.36	--	.31	tr	.17		4
5	.01 ~~.006~~	--	--	--	--	--	.14	.03	.09	.21	--	.14		5
6	.13	--	--	--	--	.12	.75	--	.05	.18	--	.05		6
7	.07	--	--	--	--	--	.71	.70	.18	.15	--	.05		7
8	.36	--	--	--	--	--	.07	.05	--	.22	--	.10		8
9	--	--	--	--	--	.08	.03	.02	--	--	--	.48		9
10	--	--	--	--	--	.17	.17	.06	--	.04	--	.36		10
11	.92	--	--	--	--	.02	.04	.03	--	.04	.27	.40		11
12	.20	--	--	--	.21	.02	.03	--	--	.20	.66	--		12
13	--	--	--	--	.02	--	--	--	--	.01 ~~.005~~	.62	.49		13
14	.60	--	--	--	.23	--	.14	--	--	--	--	--		14
15	.34	--	--	--	.04	--	.09	--	--	--	.07	.28		15
16	.16	--	--	--	.02	--	--	.03	--	--	.19	.01		16
17	--	--	--	--	.21	--	--	--	.05	.09	--	.06		17
18	.09	--	--	--	tr	.04	--	.05	.29	--	.15	--		18
19	.02	--	--	--	--	--	--	.19	.02	--	.41	--		19
20	--	--	--	--	--	--	--	--	.02	--	.31	--		20
21	--	.16	--	--	--	--	--	--	.09	--	.13	--		21
22	.06	--	--	--	--	.09	--	.08	--	.11	.51	.06		22
23	--	--	--	.08	.03	--	--	--	.08	--	.06	.04		23
24	.06	--	.06	--	.04	--	--	.25	.04	--	.04	--		24
25	.10	.03	.10	--	.07	.02	.03	--	--	.34	189	--		25
26	.19	.13	~~.005~~	--	.39	.17	--	--	--	.28	--	--		26
27	.15	.31	--	--	.76	.12	.20	.35	.16	.23	,36	--		27
28	.22	.05	--	--	--	.15	.02	.07	.02	--	.06	~~.005~~		28
29	.31	--	--	--	.55	--	--	--	--	.08	.04	.03		29
30	.14	✕	--	--	.01	.07	--	--	.27	--	.34	.06		30
31	.12	✕	--	✕	131	✕	--	--	✕	.17	✕	.29	30.66	~~31~~
TOTAL	4.246 ~~4.236~~	0.81	0.295	.14	3.08	1.78	3.21	2.52 ~~2.51~~	1.36	3.77 ~~3.76~~	6.15 ~~5.15~~	3.305	Year's Total ~~29.64~~	
* Days with .01 in. or more.	~~19~~ 20	7	3	3	16	15	16	15	13	19 ~~18~~	19	18	164 ~~162~~	
* Days with .04 in. or more.	18	6	3	2	12	10	12	11	10	18	17	16	135	

Print QB
27/4/39

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) L B Newall

P.T.O.

L.B. NEWALL ESQ.

PRESTEIGN (CORTON H

Section A for the entry of Daily Observations   Station No. 4226/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Corton House. Presteign.

in the County of ~~Radnorshire.~~ ~~Borders of Rads.~~ and Hereford.

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground -- ft. 5 in.

" Ground " Sea Level 550 ft.

Ref. f 677834/37

Jan, Aug, Nov & annual corr for arith. G

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	--	.09	.13	--	--	.67	--	.25	--	.21	.02	.23		1
2	--	.04	--	.05	.08	--	.05	--	--	.16	.02	--		2
3	--	--	--	.01	.11	.01	.38	--	--	.74	tr	--		3
4	--	--	--	--	--	.03	.36	.36	--	.31	tr	.17		4
5	.01 ~~.006~~	--	--	--	--	--	.14	.03	.09	.21	--	.14		5
6	.13	--	--	--	--	.12	.75	--	.05	.18	--	.05		6
7	.07	--	--	--	--	--	.71	.70	.18	.15	--	.05		7
8	.36	--	--	--	--	--	.07	.05	--	.22	--	.10		8
9	--	--	--	--	--	.08	.03	.02	--	--	--	.48		9
10	--	--	--	--	--	.17	.17	.06	--	.04	--	.36		10
11	.92	--	--	--	--	.02	.04	.03	--	.04	.27	.40		11
12	.20	--	--	--	.21	.02	.03	--	--	.20	.66	--		12
13	--	--	--	--	.02	--	--	--	--	.01 ~~.005~~	.62	.49		13
14	.60	--	--	--	.23	--	.14	--	--	--	--	--		14
15	.34	--	--	--	.04	--	.09	--	--	--	.07	.28		15
16	.16	--	--	--	.02	--	--	.03	--	--	.19	.01		16
17	--	--	--	--	.21	--	--	--	.05	.09	--	.06		17
18	.09	--	--	--	tr	.04	--	.05	.29	--	.15	--		18
19	.02	--	--	--	--	--	--	.19	.02	--	.41	--		19
20	--	--	--	--	--	--	--	--	.02	--	.31	--		20
21	--	.16	--	--	--	--	--	--	.09	--	.13	--		21
22	.06	--	--	--	--	.09	--	.08	--	.11	.51	.06		22
23	--	--	--	.08	.03	--	--	--	.08	--	.06	.04		23
24	.06	--	.06	--	.04	--	--	.25	.04	--	.04	--		24
25	.10	.03	.10	--	.07	.02	.03	--	--	.34	189	--		25
26	.19	.13	~~.005~~	--	.39	.17	--	--	--	.28	--	--		26
27	.15	.31	--	--	.76	.12	.20	.35	.16	.23	,36	--		27
28	.22	.05	--	--	--	.15	.02	.07	.02	--	.06	~~.005~~		28
29	.31	--	--	--	.55	--	--	--	--	.08	.04	.03		29
30	.14	✕	--	--	.01	.07	--	--	.27	--	.34	.06		30
31	.12	✕	--	✕	131	✕	--	--	✕	.17	✕	.29	30·66	~~31~~
TOTAL	4·246 ~~4.236~~	0.81	0.295	.14	3.08	1.78	3.21	2.52 ~~2.51~~	1.36	3·77 ~~3.76~~	6·15 ~~5.5~~	3.305 ~~5.15.~~	Year's Total ~~29.64~~	
* Days with .01 in. or more.	~~19~~20	7	3	15	16	15	16	15	13	19 ~~18~~	19	18	16~~2~~4	
* Days with .04 in. or more.	18	6	3	2	12	10	12	11	10	18	17	16	135	

Print GB 27/4/39

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) L B Newall

P.T.O.

L. B. NEWALL ESQ.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4226/5.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

914738/39

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Corton, Presteign.

in the County of Radnorshire.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 0 ft. 5 in.

,, Ground ,, Sea Level 550 ft.

Jan. 25-7 est'd by ref. to nearby stns.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.01	--.23	.23	.28	.26		.01	.05	.02		.02	.02		1
2			.05	.02			Tr	.15	.52	.02	.25			2
3			.01	.62				.07			.13	.61		3
4			.41	.28	.23		.27	.01	.16	.44	151	.20		4
5			.01	.15	.11		.43	.04		.19	.38			5
6	.84		.02				.63	.05			.14			6
7	.02	.01	.02				.37				.30	.33		7
8	Tr	.22	.35		.03		.38	.22		.67	.30	.08		8
9		.10	.01					.29		.44	.07	.16		9
10	.69		.03			Tr			.02	.24				10
11	.02	.08	.07			.05						.06		11
12	.09	.09		.02		.02				.03	.02			12
13				.41	.07		.27		.10	.01				13
14	.74			.03	.09	.05	.67		.01	.10	.14	.06		14
15	.52		.08	.01	.05	.40	.39				.11			15
16	.02	.05	.07		.12		.17			.10	.46			16
17	.53	.02				.08	.01			.02	.03			17
18	.37					.09	.24			.01	.50			18
19	.19						.29					.05		19
20	.32					.01	.28	.005						20
21	.14	.13	.21	.05	.05	.13	.05		.04					21
22	.19	.39	.15	.06		.46	.03		.02	.05	.40			22
23	.01	.08		.08		.005	.20			.12	.63			23
24	.11	.005	.05			.01	.08			.18				24
25	✓	.08		.02			.06			.09	.44			25
26	(1·00)	.11		.12				.19			.22	.07	.07	26
27	✓	.66	.05	.03		.09	.09			.11	.05	.005	.005	27
28	.03	.18	.07	Tr		.08	.42	.09			.24	.01	.10	28
29				.30		.08	.54			.15	.01			29
30		✗		.08		.18	.02			.005	.04	.08	.08	30
31		✗		✗		✗	.02	.37	✗		✗	.01	.01	31
TOTAL	5 ~~4~~.84	2.205	1.89	2.56	1.01	1.736	592	1.535	0.89	2.975	5.37	1.745	Year's Total 3 3~~2~~.671 ✓	
* Days with .01 in. or more.	18	14	19	17	9	14	24	11	8	18	23	13	188	
* Days with .04 in. or more.	12	12	12	11	8	11	19	10	4	12	19	10	140	

† Spare column, no entries required.

(*Signed*)

* See Instruction 3 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4226/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 193 1940

Kept at Corton, Presteign.

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ... ft. 5 in.

,, Ground ,, Sea Level 550 ft.

Jan 27th - 31st + Feb 8th - 15th estd from nearby stns.

Show circ. sent 30. 4. 41.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1				.02	.02						.68			1
2				.25							.77	.17		2
3				.07						.11	.94			3
4										.09	.24			4
5					.18		.025			.24	.55	.22		5
6	.23	.68					.16			.09	.07	.17		6
7	.02	.48		.02			.10		.03	.17		.10		7
8		✓								.26	.06	.18		8
9				.02			.85	.14		.17	.94	.26		9
10			.02				.62			.05	.13	.25		10
11		✓		.03		.42	.13				.75			11
12		(.50)	.06			.06	.19		.12		.28			12
13		✓		.15					.07					13
14		✓	.23		.06				.08	.26	.16	.46		14
15			.02		1.18	.10			.12	.02		.02		15
16		✓	.15	.02			.27		.25	.61				16
17		.02	.18	.12			.03							17
18			.57	.56					.15					18
19			.16	.28			.18			.16	1.28	.12		19
20		.76		.10			.28	.04		.14				20
21					.12	.33					1.45			21
22		.13	.02	.13	.11	.12			.10					22
23			.20	.04	.06	.01	.02		.04					23
24							.05			.03				24
25	.13			.01	.06									25
26	1.40	.35			.08		.17							26
27	✓	.44		.04	.03		.06							27
28	✓	.08		.32	.21							.12		28
29	(1.60) ✓		.10	.34			.03					.13		29
30		✗		.58						.42				30
31	✓	✗	.20	✗		✗			✗	1.23	✗			31
TOTAL	~~1.78~~ 3.38	~~2.94~~ 3.44	1.91	3.10	2.11	1.04	3.16	0.18	0.96	4.05	8.20	2.20	Year's Total ~~31.63~~	33.73
* Days with .01 in. or more.	8 4	13 8	12	19	11	6	16	2	9	16	14	12	~~139~~	148
* Days with .04 in. or more.	7 7	9 7	9	13	9	5	12	2	8	14	14	11	~~115~~	123

† Spare column, no entries required.

(*Signed*) ....

* See Instruction 3 (f) on other side.

P.T.O.

4227

Section **A** for the entry o

AIR MINISTR

OPY FOR OFFICIAL USE.

ORGANIZATION.

FORM 1090.

REGIS

4227

TYRMYNYDD

1931 — 40

78of03

Kept at TYRMYNYD

in the County of RAD

Diameter of Funnel of Gauge

Height of top of Gauge above Grou

,, Ground ,, Sea

THE MORNING MEAS

An observer who does not conform t
year in the space on the right of t

llowing

Jan. 1, following

Date	Jan.	Feb.	March								Nov.	Dec.	*Date*
	in.	in.	in.								in.	in.	
1	·10	–	–	·15	–	·02	–	–	·68	·18	–	–	1
2	·02	·10	–	·52	·58	–	–	·17	·99	·04	1·15	·78	2
3	·29	–	·02	–	–	–	·11	–	·42	·01	3·75	·30	3
4	–	–	·15	·33	·18	–	·09	·38	·10	·03	·15	·30	4
5	–	·26	–	·31	·17	1·07	·03	·10	–	–	·01	·56	5
6	–	·10	–	·25	·08	·03	·67	·01	·05	·54	·23	·03	6
7	–	·02	–	–	·05	·13	·11	·35	–	·18	·12	·17	7
8	·06	·25	–	·16	–	·59	·01	·26	–	·06	·32	·17	8
9	–	1·04	–	·02	–	·16	·01	·04	–	·29	·76	·11	9
10	·01	·15	–	–	·22	·30	·01	·21	·01	–	·86	–	10
11	·43	·69	·08	–	·04	·05	·20	·07	·35	–	·35	–	11
12	·01	·45	–	·01	–	·01	·23	·01	·07	·10	·14	–	12
13	–	·18	·12	–	·25	·02	·25	·42	–	–	·09	·02	13
14	·16	·26	·06	–	·19	·42	·27	·93	·03	–	1·15	·01	14
15	·15	·27	–	·22	·10	·08	·37	·48	–	–	–	·04	15
16	·67	·37	–	·71	·05	·36	·03	·58	·06	–	–	–	16
17	·11	·09	–	·12	·34	·10	·31	–	–	–	·04	–	17
18	·72	–	·03	·04	·16	·39	·40	·24	–	–	·23	–	18
19	·15	·18	–	·06	–	·11	·11	·95	–	–	·05	·03	19
20	·01	·19	·25	–	–	·01	–	·33	·02	–	·12	·02	20
21	·87	·03	–	–	·41	·06	·03	·02	–	–	·10	–	21
22	·75	·17	·60	·08	·16	·02	·18	·09	–	–	·01	–	22
23	·33	·03	–	·44	·30	·06	·33	–	–	–	·70	·27	23
24	·13	·09	–	·66	·10	·01	·26	–	–	–	·20	·24	24
25	·56	·59	–	·55	·03	–	·06	–	–	–	·14	·20	25
26	·05	·22	–	·19	–	–	·22	–	–	–	·85	·05	26
27	·20	·55	·12	·07	2·04	–	·21	–	–	·33	·25	·09	27
28	·69	·45	·31	·15	·39	–	·09	–	–	·01	–	·62	28
29	·33	×	·44	–	·06	–	·40	–	·01	·46	·12	·05	29
30	·05	×	–	·05	–	–	·01	–	·08	–	–	·01	30
31	·86	×	–	×	·27	×	·01	–	×	·01	×	·19	31
TOTAL	7·71	6·73	2·18	5·09	6·17	4·00	5·01	5·64	2·87	2·24	11·89	4·26	YEAR'S TOTAL 63·79
*Days with ·01 in. or more.	25	24	11	21	22	21	28	19	13	13	25	22	244
*Days with ·04 in. or more.	21	21	9	19	21	14	20	16	9	9	23	16	198

40-9999 M

*See Instruction 2 (*f*) on other side M

(Signed) J. M. Wilkinson P.T.O.
Chief Engineer.
City of Birmingham Water Dept.

4227

Section **A** for the entry o … OPY FOR OFFICIAL USE.
AIR MINISTR … ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 193 .

150

Kept at TYRMYNYDD
in the County of RADNOR
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 832 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·10	–	–	·15	–	·02	–	–	·68	·18	–	–	1
2	·02	·10	–	·52	·58	–	–	·17	·99	·04	1·15	·78	2
3	·29	–	·02	–	–	–	·11	–	·42	·01	3·75	·30	3
4	–	–	·15	·33	·18	–	·09	·38	·10	·03	·15	·30	4
5	–	·26	–	·31	·17	1·07	·03	·10	–	–	·01	·56	5
6	–	·10	–	·25	·08	·03	·67	·01	·05	·54	·23	·03	6
7	–	·02	–	–	·05	·13	·11	·35	–	·18	·12	·17	7
8	·06	·25	–	·16	–	·59	·01	·26	–	·06	·32	·17	8
9	–	1·04	–	·02	–	·16	·01	·04	–	·29	·76	·11	9
10	·01	·15	–	–	·22	·30	·01	·21	·01	–	·86	–	10
11	·43	·69	·08	–	·04	·05	·20	·07	·35	–	·35	–	11
12	·01	·45	–	·01	–	·01	·23	·01	·07	·10	·14	–	12
13	–	·18	·12	–	·25	·02	·25	·42	–	–	·09	·02	13
14	·16	·26	·06	–	·19	·42	·27	·93	·03	–	1·15	·01	14
15	·15	·27	–	·22	·10	·08	·37	·48	–	–	–	·04	15
16	·67	·37	–	·71	·05	·36	·03	·58	·06	–	–	–	16
17	·11	·09	–	·12	·34	·10	·31	–	–	–	·04	–	17
18	·72	–	·03	·04	·16	·39	·40	·24	–	–	·23	–	18
19	·15	·18	–	·06	–	·11	·11	·95	–	–	·05	·03	19
20	·01	·19	·25	–	–	·01	–	·33	·02	–	·12	·02	20
21	·87	·03	–	–	·41	·06	·03	·02	–	–	·10	–	21
22	·75	·17	·60	·08	·16	·02	·18	·09	–	–	·01	–	22
23	·33	·03	–	·44	·30	·06	·33	–	–	–	·70	·27	23
24	·13	·09	–	·66	·10	·01	·26	–	–	–	·20	·24	24
25	·56	·59	–	·55	·03	–	·06	–	–	–	·14	·20	25
26	·05	·22	–	·19	–	–	·22	–	–	–	·85	·05	26
27	·20	·55	·12	·07	2·04	–	·21	–	–	·33	·25	·09	27
28	·69	·45	·31	·15	·39	–	·09	–	–	·01	–	·62	28
29	·33	×	·44	–	·06	–	·40	–	·01	·46	·12	·05	29
30	·05	×	–	·05	–	–	·01	–	·08	–	–	·01	30
31	·86	×	–	×	·27	×	·01	–	×	·01	×	·19	31
TOTAL	7·71	6·73	2·18	5·09	6·17	4·00	5·01	5·64	2·87	2·24	11·89	4·26	YEAR'S TOTAL 63·79
*Days with ·01 in. or more.	25	24	11	21	22	21	28	19	13	13	25	22	244
*Days with ·04 in. or more.	21	21	9	19	21	14	20	16	9	9	23	16	198

40-9999 M
*See Instruction 2 (*f*) on other side M

(Signed) J. M. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4227

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Tyrmynydd
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level 832 ft.

150

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·38	·01	-	·62	1·61	(·07)	·40	·17	·28	-	·09	·50	1
2	·25	-	-	·01	·21	-	-	·02	(·56)	·16	·19	·27	2
3	·07	-	-	·18	-	-	·37	-	-	·07	·17	·17	3
4	·19	-	-	·40	-	-	·22	-	-	·01	·34	·01	4
5	1·71	-	·13	·19	·01	-	-	·01	·26	-	-	-	5
6	·94	-	(·37)	·57	·02	-	·52	·01	·20	·05	-	-	6
7	·49	-	(·58)	·15	·18	-	·08	-	·68	(1·85)	-	-	7
8	·07	-	·21	·15	·03	-	-	-	·03	·08	-	-	8
9	(1·90)	·05	-	·25	·34	-	-	-	·02	-	·01	-	9
10	·89	-	-	·48	·05	-	-	-	·31	·61	-	-	10
11	·37	·01	-	·08	·22	(·43)	·71	-	·01	·04	·02	-	11
12	·75	-	-	·01	·31	-	·01	·02	·46	·49	-	·01	12
13	·15	·02	-	·27	·07	-	·68	·20	(·33)	·24	·04	·41	13
14	(·54)	·01	-	·16	·02	-	-	·05	-	(·29)	·15	·01	14
15	·16	-	-	-	·27	-	-	-	-	·15	·01	·03	15
16	(1·33)	-	-	·19	-	-	·31	-	-	·02	-	·06	16
17	·01	-	-	-	-	-	·02	-	·01	·45	-	·14	17
18	·01	-	-	-	·39	-	-	-	·01	·02	·36	·02	18
19	-	-	-	·15	·43	-	-	-	-	·30	·02	·02	19
20	-	-	-	·21	·35	-	·06	·09	-	·61	·19	·20	20
21	-	·01	·17	·15	·01	-	-	·35	-	(1·45)	·34	·34	21
22	·02	-	(·06)	·10	·01	-	·13	-	·62	·53	(·90)	·48	22
23	-	·05	-	·05	·08	-	·02	-	·02	·13	·41	·31	23
24	·07	-	-	·12	·02	·04	·07	-	·23	·04	·12	-	24
25	-	·02	-	·02	·01	(·06)	·21	-	·20	(·92)	·36	-	25
26	-	-	·12	·21	·08	-	·18	-	·08	·25	·07	·01	26
27	-	-	(·67)	·59	·10	-	·37	-	-	·23	·43	·04	27
28	-	-	·87	·10	·21	-	·34	·04	-	·01	·05	·03	28
29	-	-	·78	·57	·17	·26	·17	·31	·22	1·45	·65	·74	29
30	·01	×	·22	·30	·03	1·24	·07	·04	·03	·67	(·65)	·04	30
31	-	×	·02	×	·01	×	(·43)	·02	×	·02	×	·48	31
TOTAL	(10·31) ✓	·18 ✓	(4·20) ✓	6·28 ✓	5·24 ✓	(2·10) ✓	(5·37) ✓	1·33 ✓	(4·56) ✓	(11·14) ✓	(5·57) ✓	4·32 ✓	YEAR'S TOTAL (60.60)
*Days with ·01 in. or more.	21 ✓	8 ✓	12 ✓	27 ✓	27 ✓	6 ✓	21 ✓	13 ✓	20 ✓	28 ✓	22 ✓	22 ✓	227 ✓
*Days with .04 in. or more.	17 ✓	2 ✓	11 ✓	24 ✓	17 ✓	6 ✓	18 ✓	8 ✓	13 ✓	23 ✓	18 ✓	14 ✓	171 ✓

40-9999 M

*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson P.T.O.
Chief Engineer.
City of Birmingham Water Dept.

4227

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at ~~Birmingham W.W., Tynymynydd~~

in the County of ~~Radnor~~

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level ....ft.

100

150

corrected by Observer
1·34

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	~~·45~~ (·55)	1·03	·11	–	–	·05	–	–	·06	·18	·30	1·20	1
2	~~1·17~~ (1·37)		·43	–	·25	·28	–	–	–	–	·04	·01	2
3	·41	·44	·27	–	·09	–	–	–	–	–	·01	–	3
4	~~·73~~ (·93)	·32	·02	–	·05	–	–	–	–	–	–	–	4
5	·28	·28	·89	–	·33	–	–	–	–	–	–	–	5
6		·46	·19	–	·48	–	·01	–	–	·14	–	–	6
7	~~·55~~ (·60)	·61	·01	–	–	·05	·27	·05	–	1·23	–	·01	7
8	~~·51~~ (·66)	·06	·11	–	·35	–	·65	–	–	·02	–	–	8
9		·15	–	–	·29	·14	·68	·05	–	1·22	·18	–	9
10	·14	·12	–	–	–	·04	·65	·05	–	1·60	·10	–	10
11	·01		–	–	–	·11	·43	·01	–	·28	–	·01	11
12	·02		–	–	·01	–	·26	–	–	·03	–	·02	12
13			–	–	·08	·02	·24	·01	–	·55	·31	–	13
14	·57		·01	–	–	–	·18	·13	–	–	·29	–	14
15	·06		·22	–	–	·03	·10	·06	–	·17	·01	·02	15
16	·02	·03	·47	–	–	·16	–	·02	–	·51	–	–	16
17	·01	·22	·53	–	–	·57	·11	·06	·08	–	·02	–	17
18	·33		·18	–	–	·91	–	·01	–	–	·04	–	18
19		·01	·57	–	–	·14	–	·06	·16	·03	·55	–	19
20		·24	·03	–	·02	·73	–	·38	·27	–	–	–	20
21		·05	–	–	·07	·17	–	·24	–	·14	–	·01	21
22		·01	–	·17	·02	·01	–	·17	·35	·06	·01	–	22
23		·56	–	·29	–	·18	–	·01	·08	·18	–	–	23
24		·38	–	·16	·04	·80	–	–	·05	·17	–	–	24
25		·52	–	·10	·04	·17	–	–	·04	–	–	·19	25
26		·62	–	·12	·19	–	–	–	·09	·59	–	·02	26
27		·23	–	·02	·03	–	–	–	·01	·07	–	·13	27
28		·17	–	·29	–	–	·06	·19	–	·11	–	·02	28
29	·05	×	·08	–	–	–	·04	·01	–	·01	–	·05	29
30		×	·13	·03	–	–	·17	–	·03	·12	–	·23	30
31	~~·69~~ (·79)	×	·42	×	–	×	·01	–	×	·28	×	–	31 (44·00)
TOTAL	~~6·00~~ (6·80)	6·51	4·67	1·18	2·22	4·56	3·86	1·51	1·22	7·69	1·86	1·92	YEAR'S TOTAL ~~43·20~~
*Days with ·01 in. or more.	17 ✓	21 ✓	18 ✓	8 ✓	16 ✓	18 ✓	15 ✓	17 ✓	11 ✓	22 ✓	12 ✓	13 ✓	188 ✓
*Days with ·04 in. or more.	13 ✓	18 ✓	14 ✓	6 ✓	12 ✓	15 ✓	13 ✓	11 ✓	9 ✓	18 ✓	8 ✓	5 ✓	142 ✓

Feby. Unable to reach gauge from 24th to 27th owing to snow drifts.

40-9999

*See Instruction 2 (*f*) on other side.

2 M

(*Signed*) J. McKinson

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4227

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 109

REGISTER OF RAINFALL IN 1934.

Kept at Birmingham W.W., Tyrmynydd

in the County of Radnor

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

100

150

T.L.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·17	–	·04	–	–	–	–	1·06	·11	·28	·55	·38	1
2	–	–	·14	–	–	–	–	·82	·35	·01	·21	·56	2
3	·10	–	·06	–	·32	–	–	·16	·33	·72	·19	·42	3
4	·29	–	·57	·23	·19	–	–	·16	·12	·44	·05	·91	4
5	·10	–	·18	·05	·21	–	–	1·30	–	·20	·02	·25	5
6	·21	–	·06	–	1·18	·01	–	·20	·03	·34	–	·63	6
7	·42	–	–	–	–	–	–	·04	·01	·18	·10	1·00	7
8	–	–	–	–	·08	–	–	·02	·19	·11	·43	·86	8
9	·02	·03	·33	·01	–	–	–	·27	·04	·02	·36	·41	9
10	·56	·01	·40	·34	–	–	–	·46	·01	·08	·02	–	10
11	1·28	–	·10	·86	–	–	·04	·46	–	·01	–	·14	11
12	·05	–	–	·03	–	–	·06	·19	–	·03	–	·23	12
13	1·29	–	–	·22	–	·03	–	–	–	·16	–	·11	13
14	·20	–	1·10	·05	–	·06	–	–	–	·46	·04	·87	14
15	·18	–	·91	·02	·48	–	·16	·02	·14	·44	·09	·73	15
16	·62	–	·81	·03	·08	–	–	·01	·39	·09	·06	·10	16
17	·34	–	·48	·63	·23	–	·58	–	·14	·06	–	·67	17
18	·60	–	·04	·35	·03	·16	–	·04	·10	·01	–	·78	18
19	·01	–	·35	–	·03	·26	–	·10	·29	·04	–	·67	19
20	–	–	–	·14	·07	·07	·02	·02	·01	·10	·02	·03	20
21	·01	–	·07	·08	·01	·15	·20	·10	·03	·45	·02	·01	21
22	·01	–	·03	·01	·10	–	–	·38	·52	·28	·01	·55	22
23	–	–	·14	·56	·02	·62	–	·01	·05	·05	·01	–	23
24	–	·38	·03	·16	–	·07	–	–	·13	·10	–	–	24
25	·52	·02	–	·29	·06	–	·01	–	·13	·89	–	1·49	25
26	·08	–	·03	·10	–	·33	·14	–	·55	·09	·13	·46	26
27	–	–	–	·03	–	·33	·09	·07	·03	·24	·01	·36	27
28	–	–	–	·55	–	·03	·32	·44	·21	·16	·05	·70	28
29	–	×	–	–	–	–	·71	·19	·29	·22	·02	·30	29
30	·02	×	–	–	–	–	·02	·44	·41	·15	–	·58	30
31	·01	×	–	×	–	×	·20	·12	×	·23	×	·49	31
TOTAL	7·09	0·44	5·87	4·74	3·09	2·12	2·55	7·08	4·61	6·64	2·39	14·69	YEAR'S TOTAL 61·31
*Days with ·01 in. or more.	23	4	20	21	15	12	13	25	25	31	20	28	237
*Days with ·04 in. or more.	17	1	17	15	11	9	10	20	19	26	12	26	183

40-9999

*See Instruction 2 (*f*) on other side.

M

(Signed) J. W. Wilkinson M.Inst.C.E. P.T.O.

Chief Engineer. City of Birmingham Water Dept.

COPY FOR OFFICIAL USE. ✓✓✓ 17

Section **A** **for the entry of Daily Observations.** **Station No.** 4227

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

TL
100
150

Kept at Birmingham W.W., Tyrmynydd
in the County of Radnor
Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·31	·05	·24	·04	-	·04	·03	-	·55	·36	·04	·65		1
2	-	·05	·02	-	·01	·02	-	-	·25	·19	·13	·70		2
3	·06	·34	·12	·28	-	·05	·12	-	·06	·27	·38	·31		3
4	·02	·01	·13	·21	-	·17	·03	-	·14	·17	·06	·22		4
5	·03	·61	·24	·24	-	·17	·11	-	·01	-	·18	·11		5
6	-	-	-	·53	-	·88	-	-	-	-	·03	·20		6
7	-	-	-	·31	-	·73	-	-	-	·35	-	·34		7
8	·02	-	-	·42	-	·04	-	-	-	·38	·34	·31		8
9	·03	·01	-	·95	-	·22	-	-	-	1·17	·12	-		9
10	·05	-	-	1·26	-	·08	-	-	-	·46	·06	-		10
11	·59	·35	-	-	-	·56	-	·04	-	·35	·67	-		11
12	·04	·28	-	-	-	·37	-	·14	·08	·01	·30	-		12
13	·42	·17	-	·13	·03	·02	-	-	·96	·15	·77	-		13
14	·01	·07	-	·12	-	·08	-	-	·54	·01	1·05	·38		14
15	-	1·40	-	·98	·09	·03	-	·07	·14	·11	·56	·27		15
16	-	·50	·01	·32	·06	-	·14	·01	2·04	·29	·45	·80		16
17	-	·03	-	·37	·89	·20	·07	·12	·31	·02	·55	-		17
18	-	·10	-	·53	·05	·12	-	·25	1·00	·41	·07	-		18
19	-	·32	-	·05	·43	·54	·28	-	·21	·42	·45	-		19
20	-	1·16	-	·46	·28	·06	·08	-	·01	·01	·92	-		20
21	-	1·20	·01	·24	-	-	-	-	·21	·15	·16	-		21
22	-	·04	·15	·07	-	-	-	-	·27	·03	-	-		22
23	·06	·11	1·28	·54	-	·07	-	·03	·32	·25	-	·18		23
24	·52	1·30	·05	-	-	·02	-	-	1·72	·17	-	·27		24
25	·88	·12	·02	·07	-	1·25	-	-	-	·01	·05	·16		25
26	·01	·19	·01	-	-	·02	·01	·98	·30	·05	·11	·26		26
27	-	·16	-	-	·03	·02	·20	·08	1·04	1·22	·56	·01		27
28	·06	·07	-	-	·02	-	-	·35	·23	·80	·12	·04		28
29	-	×	-	-	-	-	-	·03	·31	·27	·65	·70		29
30	·03	×	-	·10	-	·15	-	·05	·45	·75	1·29	·35		30
31	·01	×	-	×	·30	×	-	·01	×	·50	×	·25		31
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Year's Total ✓	
TOTAL	3·15	8·64	2·28	8·22	2·19	5·91	1·07	2·16	11·15	9·33	10·07	6·51	70·68	✓
*Days with ·01 in. or more.	18 ✓	24 ✓	12 ✓	22 ✓	11 ✓	25 ✓	10 ✓	13 ✓	23 ✓	29 ✓	26 ✓	20 ✓	233 ✓	
*Days with ·04 in. or more.	10 ✓	21 ✓	7 ✓	22 ✓	7 ✓	19 ✓	7 ✓	9 ✓	21 ✓	23 ✓	25 ✓	19 ✓	190 ✓	

40-9999
*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) J. M. Wilkinson M.Inst.C.E.
Chief Engineer.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4227

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Birmingham W.W., Tyrmynydd
in the County of Radnor
Diameter of Funnel of Gauge ...... in.
Height of top of Gauge above Ground ...... ft ...... in.
,, Ground ,, Sea Level ...... ft.

100 150
400
TL

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·36	·22	·01	·32	-	·55	·06	·03	·03	-	·16	·86		1
2	·02	·05	-	·15	-	·38	·01	·04	·22	-	·05	·37		2
3	·06	·04	·01	-	-	·09	-	·09	·48	-	·02	·19		3
4	·12	-	·19	-	-	·25	-	·15	·72	-	·75	·40		4
5	·57	·10	·30	-	·07	-	·05	·20	·33	-	·03	·09		5
6	·52	-	·02	-	-	·01	·24	·04	·16	-	1·04	·05		6
7	·07	-	·18	-	-	-	·10	-	1·00	-	·82	·03		7
8	·62	-	·26	-	-	-	·45	-	·16	-	1·25	·15		8
9	1·50	-	·02	-	-	·02	·90	-	·11	·03	·26	-		9
10	·07	·15	-	-	-	·02	·20	-	-	-	·21	-		10
11	-	·02	-	·04	·01	·11	·14	·04	·16	-	1·22	·05		11
12	-	-	-	·02	·07	·14	1·03	·02	·34	·05	·10	·37		12
13	-	·01	-	·12	·04	·05	·05	-	-	·39	·19	2·45		13
14	-	-	-	·13	-	·19	·14	-	·26	·10	·11	·96		14
15	·02	·02	-	·05	·65	·02	·04	·01	-	-	·49	·43		15
16	·05	·07	-	·20	·38	·03	·07	-	-	-	·53	·08		16
17	·38	1·12	-	·02	·13	·04	1·04	-	-	·49	·11	·78		17
18	-	·55	-	·02	-	-	1·20	·08	-	·54	-	·18		18
19	·91	·04	·12	·38	-	·36	·12	·07	-	·29	-	·01		19
20	·35	·29	·16	-	-	1·23	·01	·03	-	·02	-	·08		20
21	·13	-	·02	1·04	-	1·18	-	-	-	·03	-	·04		21
22	·18	·19	·61	-	·18	·02	·53	-	-	·01	-	·12		22
23	·03	·29	·17	·22	·04	·01	·47	-	-	·13	-	·01		23
24	·33	·02	-	·04	·04	-	·02	-	·19	·73	·01	-		24
25	·30	·01	·10	1·33	-	-	·22	-	·50	·43	-	·01		25
26	1·06	·17	·49	·01	-	-	·08	-	·02	·40	·03	-		26
27	·43	·11	·12	-	-	-	·06	-	·11	·37	-	-		27
28	·63	·09	·43	·01	-	·88	·23	-	-	·02	·01	·17		28
29	·13	·10	·51	-	·09	·86	·03	-	-	·04	·07	·27		29
30	·07	✕	·03	-	·10	·17	·25	-	-	1·08	·08	·10		30
31	·62	✕	·25	✕	·43	✕	·11	-	✕	-	✕	·98		31
TOTAL	9·53	3·66	4·00	4·10	2·23	6·61	7·91	·80	4·79	5·15	7·54	9·83	Year's Total. 66·15	
* Days with .01 in. or more.	26	21	20	17	13	22	28	12	16	18	22	26	241	
* Days with .04 in. or more.	23	16	14	12	12	15	24	8	14	13	17	22	190	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) J. W. Wilkinson [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4227

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

100

400

Kept at Birmingham W.W., Tyrmynydd

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.

VALUES FO[illegible] MONTHLY

met. mag. station

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·22	·21	–	·05	–	–	·08	–	·32	·18	–	·26		1
2	·33	·71	·02	·10	–	–	–	–	·03	–	–	·60		2
3	·02	·84	–	–	·28	·12	·14	–	·04	–	–	·03		3
4	·47	·30	–	·10	·14	·03	·01	·15	–	–	–	1·42		4
5	1·63	–	·08	·04	–	–	·09	–	–	–	–	·17		5
6	·85	·12	·29	·30	·13	·03	–	·01	·03	–	·04	–		6
7	–	·75	·13	·26	–	·09	–	–	·15	–	–	–		7
8	–	·40	–	–	·14	·14	·11	–	·01	·03	·26	–		8
9	·02	·06	–	·25	·02	·07	·28	·01	·44	–	–	–		9
10	·18	·15	·26	·03	–	·05	–	–	·02	–	–	·51		10
11	·17	·01	·76	·04	·18	·30	·14	·13	–	–	–	·10		11
12	1·13	·35	·19	·01	–	·33	·02	·01	·18	–	·01	·52		12
13	·24	·04	·13	·44	–	·02	–	·03	·22	–	–	·33		13
14	–	·08	·06	·11	–	–	–	·01	·19	–	·02	·12		14
15	·80	·38	·04	·51	–	–	·47	–	·28	–	·01	·36		15
16	·21	·46	·83	1·07	–	–	–	·28	·16	–	–	–		16
17	·46	·23	·60	·32	–	–	–	–	·79	–	·02	–		17
18	·80	·15	·55	–	–	·08	·03	·06	·10	–	·18	·10		18
19	·04	·35	·09	·29	·03	·04	·23	–	·01	–	·20	·01		19
20	·55	·46	·24	·75	·02	·01	·01	–	–	–	–	·19		20
21	·70	·38	·04	·42	·22	–	·39	–	·01	·18	–	·11		21
22	·40	·10	·02	·03	·32	–	·73	–	·01	·46	·40	·34		22
23	·12	·27	·01	–	·73	–	·07	–	–	·63	·28	·04		23
24	·68	·68	·32	–	·03	–	·04	–	·05	·44	–	·14		24
25	–	·58	–	–	·02	–	·02	–	·02	·23	–	·03		25
26	–	·79	·06	–	·12	–	–	–	–	·04	–	·01		26
27	–	·84	–	·02	·01	–	–	–	–	·74	–	–		27
28	–	·41	–	–	–	·06	–	–	–	·04	–	·01		28
29	·03	✕	–	–	–	·07	–	–	–	1·04	·16	–		29
30	·38	✕	–	–	–	·15	–	·32	·16	·13	·34	–		30
31	·54	✕	–	✕	–	✕	–	·03	✕	·51	✕	–		31
TOTAL	10·97	10·10	4·72	5·14	2·39	1·59	2·86	1·04	3·22	4·65	1·92	5·40	Year's Total 54.00	✓
* Days with .01 in. or more.	24	27	20	20	15	16	17	11	21	13	12	21	217	✓
* Days with .04 in. or more.	21	26	17	16	9	12	12	5	13	12	8	16	167	✓

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. M. Wilkinson [P.T.O.

M.Inst.C.E.

COPY FOR OFFICIAL USE

Sec | A | for the entry of Daily Observations

Station No. 4227

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

T.L.

100
150
400
Met. Mag. Sln.

Kept at Birmingham W.W., Tynymynydd

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·15	·02	–	–	1·29	–	·20	–	·36	·11	·44		1
2	–	·20	–	·31	·06	·41	·15	·01	–	·36	·07	·16		2
3	–	–	–	·05	·08	·08	·26	–	·01	1·36	·05	·01		3
4	·02	–	·01	·02	–	·03	·86	·64	–	·72	·10	·51		4
5	·04	·01	–	·04	–	·06	·11	·05	·11	·61	·02	·24		5
6	·42	·01	–	–	–	·82	·92	–	·31	·95	·03	·46		6
7	·39	–	–	–	–	-	·27	·28	·05	·35	–	·10		7
8	·35	·02	·01	–	–	-	·36	·11	–	1·07	–	·22		8
9	·45	·34	·04	–	–	·31	·06	·10	–	·05	–	·92		9
10	·17	·02	–	–	–	·08	·85	·19	–	·30	–	·65		10
11	1·02	·17	–	–	–	·05	·05	·01	·01	·20	·59	·33		11
12	·58	·02	–	–	·36	·03	·01	–	–	·57	2·20	·13		12
13	·08	–	–	–	·14	·	–	–	·04	·15	·35	·47		13
14	1·82	–	–	–	·19	·	·12	–	·03	–	·04	·01		14
15	·42	–	·08	–	1·20	·	·02	·06	–	·02	·11	·71		15
16	·69	–	·07	–	·01	·	–	·03	–	·15	·12	·02		16
17	–	·02	–	–	–	·	·03	–	·22	·34	·01	·03		17
18	·29	–	–	–	–	·02	–	·54	·05	·12	·76	·		18
19	·08	–	–	–	–	·	–	·26	·08	-	·53	·		19
20	·20	–	·15	–	–	·	–	·09	·03	·	·39	·01		20
21	·02	–	·03	–	–	·	–	·28	·10	-	·28	·01		21
22	·03	–	–	·06	·01	·13	–	·06	–	·03	·08	·01		22
23	·05	–	–	·07	·11	·03	–	·02	·08	-	·29	·		23
24	·36	·12	·34	·02	·11	·06	·01	·18	·03	·03	·15	·		24
25	·17	·30	·03	–	·05	·04	·31	·15	–	·40	1·85	·05		25
26	·46	1·45	·28	–	·34	·66	·01	–	–	·44	·06	·06		26
27	·68	·45	·08	–	·79	·27	·93	·26	·15	·06	·74	·		27
28	·46	·49	·01	–	·01	·99	·16	·08	·08	-	·18	·01		28
29	·52	×	·04	–	·88	·01	·20	–	·03	·10	·22	·47		29
30	·19	☒	–	–	·05	·27	·12	–	·36	·01	·05	·47		30
31	·46	☒	–	☒	·44	☒	·02	·08	☒	·56	☒	·70		31
TOTAL	10·42	3·77	1·19	0·57	4·83	5·64	5·83	3·68	1·77	9·31	10·58	7·20	Year's Total 64·79	
* Days with .01 in. or more.	27	15	14	7	17	20	22	22	18	25	26	26	239	
* Days with .04 in. or more.	24	9	8	5	14	15	16	18	12	21	23	18	183	

† Spare column, no entries required.

(*Signed*) J. W. Wilkinson [R.F.O.
M.Inst.C.E.

* See Instruction 3 (f) on other side.

5·53

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4227

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Birmingham W.W., Tyrmynydd
in the County of Radnor
Diameter of Funnel of Gauge..................in.
Height of top of Gauge above Ground.........ft..........in.
,, Ground ,, Sea Level ....ft.

TRAVELLING FORM
VALUE: FORWARD MONTHLY

100
150
400
Met Mag.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·06	-	·88	·47	·04	-	-	·13	-	·01	·04	·51		1
2	·02	-	·11	·02	-	-	·01	·53	·27	-	·12	·21		2
3	·24	-	·26	·56	-	-	·01	·12	·02	-	·05	·90		3
4	·06	-	·60	·57	·57	-	·46	-	·02	·27	·32	·82		4
5	-	-	·01	·19	·01	-	·29	-	-	·21	·76	·02		5
6	·78	·04	·16	-	-	-	1·23	·06	-	·01	·46	-		6
7	·19	·18	·10	-	-	-	·52	·07	-	-	·69	·53		7
8	·34	·84	·52	-	·06	-	·47	·05	-	·75	1·08	·08		8
9	·11	·50	·01	-	-	-	·01	·62	·02	·18	·11	·64		9
10	1·26	·01	·01	-	-	·03	-	·04	·21	·82	·01	1·04		10
11	·07	·17	·17	-	-	·02	-	·01	-	·13	-	·01		11
12	·31	·14	-	·19	-	·03	-	-	·20	·06	·02	-		12
13	-	·08	-	·66	·06	·01	·47	-	·04	·01	·11	-		13
14	1·38	·01	·01	·23	·15	·18	·08	-	·02	·04	·53	-		14
15	·79	·07	·03	·29	·09	·77	·42	-	-	·01	·33	-		15
16	·66	·01	·04	·06	·12	·22	·02	-	-	-	·81	-		16
17	·98	·26	-	·07	·01	·40	·07	-	-	·05	·18	-		17
18	·57	·20	·02	-	-	·10	·57	-	-	·01	1·18	-		18
19	·38	·02	·01	-	-	-	·34	·06	-	-	·02	-		19
20	·37	·03	·01	-	·01	-	·20	·47	-	-	-	·02		20
21	·13	·67	·57	·24	·11	·09	·28	·42	·03	-	-	-		21
22	1·09	1·52	·52	·15	·02	·20	·08	-	-	-	1·16	-		22
23	·57	·52	·04	·52	-	·04	·41	-	-	·37	·52	-		23
24	·19	·16	·03	·11	-	·10	·04	-	-	·26	·02	-		24
25	·48	·35	·03	·02	-	·03	·17	-	-	·22	2·67 ✓	·02		25
26	·02	·18	-	·04	-	-	-	·18	-	·07	·82	·01		26
27	-	·90	·05	-	-	·39	·17	·34	-	-	·38	·04		27
28	·02	·76	·10	·05	-	·46	1·11	·05	-	-	·59	·05		28
29	-	X	-	·10	-	·07	1·75	-	-	·05	1·05	-		29
30	-	✕	-	·08	-	·14	·14	-	-	·02	·28	·20		30
31	-	✕	-	✕	-	✕	·05	·14	✕	·21	✕	·02		31
	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Year's Total	
TOTAL	11·07	7·62	4·29	4·62	1·25	3·28	9·37	3·29	0·83	3·76	14·31	5·12	68·81	✓
* Days with .01 in. or more.	25	23	24	20	12	18	26	16	9	21	27	17	238	✓
* Days with .04 in. or more.	22	18	14	18	8	13	22	15	4	15	23	11	183	✓

† Spare column, no entries required.

(*Signed*) J. W. Wilkinson

aaB.

* See Instruction 3 (f) on other side.

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4227

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

150

100 480

met. mag

Kept at Birmingham W.W., Tyrmynydd

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.

VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	·14	·18	–	–	–	–	–	·72	·01		1
2	–	·01	–	·17	–	–	·12	–	–	–	2·93	·14		2
3	–	·58	–	·17	–	–	·04	–	–	·07	·87	·14		3
4	–	·09	–	·05	–	–	·02	–	–	·16	·32	·20		4
5	–	·02	–	–	·05	–	·11	–	·01	1·16	·90	·50		5
6	·15	·55	–	–	–	–	·05	–	–	·91	·09	·35		6
7	·04	·51	–	·03	·03	–	·06	–	·19	·67	–	·20		7
8	–	–	–	–	–	–	·11	·01	·01	·64	·14	·52		8
9	–	–	–	·05	–	–	·98	·24	·18	·70	·92	·59		9
10	–	–	·12	–	–	–	·09	·12	·10	·25	·25	·76		10
11	–	·01	·02	·07	–	–	2·03	–	–	–	2·06	·23		11
12	–	–	·41	–	–	·07	·32	·01	·38	–	·66	–		12
13	–	·01	·21	·01	–	–	·12	·10	·22	–	·13	·29		13
14	–	·06	·05	·35	–	–	·13	·05	·18	·55	·29	·75		14
15	·01	–	·12	·17	·93	·03	·01	–	·09	·39	·50	·11		15
16	·01	·64	·29	·02	–	–	·24	–	1·01	·19	·75	·12		16
17	·01	·01	·47	–	–	–	·25	–	·23	·01	·19	·01		17
18	·24	·49	·99	·23	–	–	·02	·17	·25	–	·01	·38		18
19	·01	·13	·29	·36	–	–	·47	–	·06	–	·31	–		19
20	–	–	·02	·31	–	–	·48	·24	–	·24	·10	–		20
21	–	–	·06	·01	·19	·29	·05	·03	–	–	1·82	–		21
22	–	·04	·10	·11	·02	·10	–	·06	·13	–	·02	–		22
23	–	·11	·15	·19	·09	·02	·03	–	·14	–	·10	–		23
24	·07	·01	·03	–	·14	–	·05	·01	–	–	·01	–		24
25	·07	–	–	·15	·26	·03	–	–	–	–	–	·01		25
26	1·54	·60	–	–	·20	–	·15	·13	–	–	·12	–		26
27	1·05	·72	–	·76	·04	–	·25	–	–	–	·23	·01		27
28	·22	·16	–	·21	·28	–	–	·05	–	–	·01	·02		28
29	·03	–	·57	·12	–	·09	·04	–	–	·01	–	·74		29
30	–	✕	·05	·76	·03	–	–	–	–	·74	–	·16		30
31	·07	✕	·55	✕	·06	✕	–	–	✕	1·20	✕	·04		31
TOTAL	3·52	4·75	4·50	4·44	2·50	0·63	6·22	1·22	3·18	7·89	14·45	6·28	Year's Total 59·58	✓
* Days with .01 in. or more.	14	19	18	22	14	7	25	13	15	16	26	23	212	✓
* Days with .04 in. or more.	9	13	15	18	11	4	21	9	13	14	22	18	167	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) a a Barnes.

a/ CHIEF ENGINEER.

[P.T.O.

4228 —

NANTGWILLT No 1

1931–40

780803

4228

Section A for

AI

COPY FOR OFFICIAL USE.

RAINFALL ORGANIZATION.

FORM 1090.

1931 .

[illegible]

Kept at NAN

in the County of

Diameter of Funnel

Height of top of Gau

,, Ground

THE MORN … **OUS DAY.**

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·13	–	–	·10	–	·02	·01	–	·60	·19	–	–	1
2	·02	·11	–	·51	·50	–	–	·08	·79	·03	1·16	·84	2
3	·28	–	·01	–	–	–	·09	–	·32	·01	3·90	·28	3
4	–	–	·15	·33	·22	–	·10	·37	·12	·03	·16	·29	4
5	–	·19	–	·38	·07	1·02	·02	·12	–	–	·01	·53	5
6	–	·10	–	·25	·08	·03	·40	·01	·05	·54	·24	·04	6
7	–	·02	–	–	·19	·14	·19	·40	–	·18	·12	·17	7
8	·06	·26	–	·17	–	·52	·03	·28	–	·07	·33	·17	8
9	–	·96	–	·03	–	·14	·02	·05	–	·36	·75	·10	9
10	·01	·19	–	–	·20	·33	·01	·25	·01	–	·95	–	10
11	·55	·55	·09	·01	·05	·07	·18	·10	·36	–	·33	–	11
12	·01	·44	–	·01	–	–	·18	·01	·07	·10	·15	–	12
13	–	·16	·14	–	·35	·02	·20	·35	–	–	·04	·02	13
14	·18	·26	·04	–	·26	·40	·28	·95	·04	–	1·12	·02	14
15	·20	·32	–	·23	·12	·08	·35	·40	–	–	–	·04	15
16	·73	·33	–	·70	·03	·35	·02	·62	·07	–	–	·01	16
17	·11	·11	–	·13	·33	·12	·30	–	–	–	·03	–	17
18	·90	–	·02	·03	·16	·43	·40	·17	–	–	·24	–	18
19	·18	·18	–	·08	–	·06	·10	·88	–	–	·04	·04	19
20	–	·24	·22	–	–	·01	–	·37	·02	–	·12	·03	20
21	·79	·02	–	·01	·37	·06	·04	·03	–	–	·09	–	21
22	·79	·24	·32	·06	·16	·01	·16	·06	–	–	·01	–	22
23	·34	·04	–	·41	·24	·04	·32	–	–	–	·78	·30	23
24	·14	·16	–	·74	·11	–	·24	–	–	–	·22	·25	24
25	·49	·74	–	·60	·03	–	·06	–	–	–	·17	·21	25
26	·05	·27	–	·20	–	–	·20	–	–	–	·84	·06	26
27	·22	·63	·11	·06	1·95	–	·20	–	–	·39	·31	·10	27
28	·81	·33	·32	·14	·37	–	·12	–	–	·02	–	·51	28
29	·37	×	·32	–	·04	–	·41	–	·02	·48	·10	·05	29
30	·07	×	–	·06	–	–	·01	–	·09	–	–	·01	30
31	·88	×	–	×	·28	×	·01	–	×	·01	×	·18	31
TOTAL	8·31	6·85	1·74	5·24	6·11	3·85	4·65	5·50	2·56	2·41	12·21	4·25	YEAR'S TOTAL 63·68
*Days with ·01 in. or more.	~~24~~	~~24~~	~~11~~	~~23~~	~~22~~	~~19~~	~~29~~	~~19~~	~~13~~	~~13~~	~~25~~	~~23~~	~~245~~
*Days with ·04 in. or more.	~~21~~	~~23~~	~~9~~	~~18~~	~~20~~	~~14~~	~~21~~	~~16~~	~~10~~	~~8~~	~~22~~	~~18~~	~~199~~

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) J. M. McKinsey

Chief Engineer.
City of Birmingham Water Dept.

P.T.O.

4228

Section **A** for

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

To be printed exp. 66058-2/36.

Kept at NANTGWILLT No. 1
in the County of RADNOR
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 840 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·13	–	–	·10	–	·02	·01	–	·60	·19	–	–	1
2	·02	·11	–	·51	·50	–	–	·08	·79	·03	1·16	·84	2
3	·28	–	·01	–	–	–	·09	–	·32	·01	3·90	·28	3
4	–	–	·15	·33	·22	–	·10	·37	·12	·03	·16	·29	4
5	–	·19	–	·38	·07	1·02	·02	·12	–	–	·01	·53	5
6	–	·10	–	·25	·08	·03	·40	·01	·05	·54	·24	·04	6
7	–	·02	–	–	·19	·14	·19	·40	–	·18	·12	·17	7
8	·06	·26	–	·17	–	·52	·03	·28	–	·07	·33	·17	8
9	–	·96	–	·03	–	·14	·02	·05	–	·36	·75	·10	9
10	·01	·19	–	–	·20	·33	·01	·25	·01	–	·95	–	10
11	·55	·55	·09	·01	·05	·07	·18	·10	·36	–	·33	–	11
12	·01	·44	–	·01	–	–	·18	·01	·07	·10	·15	–	12
13	–	·16	·14	–	·35	·02	·20	·35	–	–	·04	·02	13
14	·18	·26	·04	–	·26	·40	·28	·95	·04	–	1·12	·02	14
15	·20	·32	–	·23	·12	·08	·35	·40	–	–	–	·04	15
16	·73	·33	–	·70	·03	·35	·02	·62	·07	–	–	·01	16
17	·11	·11	–	·13	·33	·12	·30	–	–	–	·03	–	17
18	·90	–	·02	·03	·16	·43	·40	·17	–	–	·24	–	18
19	·18	·18	–	·08	–	·06	·10	·88	–	–	·04	·04	19
20	–	·24	·22	–	–	·01	–	·37	·02	–	·12	·03	20
21	·79	·02	–	·01	·37	·06	·04	·03	–	–	·09	–	21
22	·79	·24	·32	·06	·16	·01	·16	·06	–	–	·01	–	22
23	·34	·04	–	·41	·24	·04	·32	–	–	–	·78	·30	23
24	·14	·16	–	·74	·11	–	·24	–	–	–	·22	·25	24
25	·49	·74	–	·60	·03	–	·06	–	–	–	·17	·21	25
26	·05	·27	–	·20	–	–	·20	–	–	–	·84	·06	26
27	·22	·63	·11	·06	1·95	–	·20	–	–	·39	·31	·10	27
28	·81	·33	·32	·14	·37	–	·12	–	–	·02	–	·51	28
29	·37	×	·32	–	·04	–	·41	–	·02	·48	·10	·05	29
30	·07	×	–	·06	–	–	·01	–	·09	–	–	·01	30
31	·88	×	–	×	·28	×	·01	–	×	·01	×	·18	31
TOTAL	8·31	6·85	1·74	5·24	6·11	3·85	4·65	5·50	2·56	2·41	12·21	4·25	YEAR'S TOTAL 63·68
*Days with ·01 in. or more.	~~24~~	~~24~~	~~11~~	~~28~~	~~22~~	~~19~~	~~29~~	~~19~~	~~13~~	~~13~~	~~25~~	~~25~~	~~245~~
*Days with ·04 in. or more.	~~21~~	~~22~~	~~9~~	~~18~~	~~20~~	~~14~~	~~21~~	~~16~~	~~10~~	~~8~~	~~22~~	~~18~~	~~199~~

40-9999 7

(Signed) J. M. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

P.T.O.

*See Instruction 2 (*f*) on other side.

ENCLOSURE
Nº 513
"JUSTSO"

COPY FOR· OFFICIAL USE.

Section A ry of Daily Observations. **Station No** 4228

STRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Nantgwillt (Nº 1)
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 840 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·36	·01	-	·65	1·57	·05	·36	·23	·32	-	·10	·56	1
2	·26	-	-	·01	·20	-	·01	·03	·55	·16	·18	·26	2
3	·05	-	-	·19	-	-	·41	-	-	·07	·18	·18	3
4	·22	·	-	·37	-	-	·23	-	-	·01	·39	·01	4
5	1·79	-	·11	·20	·01	-	-	·01	·26	·01	-	-	5
6	·95	-	·38	·53	·02	-	·50	·01	·19	·07	-	-	6
7	·42	-	·54	·14	·09	-	·12	-	·76	1·76	-	-	7
8	·09	-	·20	·17	·04	-	-	-	·08	·11	-	-	8
9	1·95	·05	-	·27	·40	-	-	-	·03	-	·01	-	9
10	·84	-	-	·58	·06	-	-	-	·33	·64	-	-	10
11	·44	·01	-	·07	·29	·37	·94	-	·01	·04	·02	-	11
12	·92	-	-	·02	·40	-	·01	·01	·52	·49	-	·01	12
13	·17	·02	-	·34	·08	-	·65	·21	·30	·26	·04	·34	13
14	·58	·02	-	·18	·02	-	-	·06	·01	·22	·11	·12	14
15	·20	-	-	·01	·27	-	-	-	-	·17	·01	·03	15
16	1·37	-	-	·14	-	-	·24	-	-	·04	-	·05	16
17	·01	-	-	-	-	-	·03	-	·02	·45	-	·16	17
18	·02	-	-	-	·40	-	-	-	·02	·04	·36	·02	18
19	-	-	-	·17	·42	-	-	-	-	·37	·02	·02	19
20	-	-	-	·23	·33	-	·04	·06	-	·58	·20	·25	20
21	-	·01	·18	·15	·01	-	-	·30	-	1·77	·37	·30	21
22	·03	-	·04	·11	·01	-	·16	-	·58	·55	·85	·57	22
23	-	·03	-	·06	·07	-	·02	-	·03	·11	·38	·45	23
24	·08	-	-	·05	·03	·04	·06	-	·20	·04	·12	·01	24
25	-	·01	-	·03	-	·04	·24	-	·17	·92	·41	-	25
26	-	-	·10	·22	·07	-	·17	-	·06	·27	·09	·01	26
27	-	-	·82	·55	·09	-	·38	-	-	·20	·54	·03	27
28	-	-	·93	·07	·20	·01	·38	·03	-	·02	·06	·03	28
29	-	-	1·15	·47	·16	·27	·13	·33	·21	1·32	·80	·73	29
30	·01	×	·19	·33	·04	1·29	·06	·04	·03	·73	·63	·05	30
31	-	×	·03	×	-	×	·43	·02	×	·02	×	·60	31
TOTAL	10·76	·16	4·67	6·31	5·28	2·07	5·57	1·34	4·68	11·44	5·87	4·79	YEAR'S TOTAL 62·94
*Days with ·01 in. or more.	~~27~~	~~8~~	~~12~~	~~28~~	~~25~~	~~7~~	~~22~~	~~13~~	~~21~~	~~29~~	~~22~~	~~23~~	~~231~~
*Days with .04 in. or more.	~~17~~	~~1~~	~~11~~	~~24~~	~~19~~	~~6~~	~~18~~	~~9~~	~~14~~	~~25~~	~~18~~	~~14~~	~~174~~

40-9999 M
*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson Chief Engineer
City of Birmingham Water Dept.

4228

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Birmingham W.W., Nantgwillt

in the County of Radnor.

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

No. I

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·55	1·14	·12	–	–	·05	–	–	·07	·15	·34	1·27	1
2	1·43		·36	–	·23	·26	–	–	–	–	·04	·01	2
3	·32	·44	·31	–	·08	–	–	–	–	–	·01	–	3
4	·98	·30	·01	–	·06	–	–	–	–	–	–	–	4
5	·21	·32	·92	–	·33	–	–	–	–	–	–	–	5
6		·44	·17	–	·49	–	·01	–	–	·12	–	–	6
7	·61	·73	·01	–	–	·05	·29	·04	–	1·11	–	·01	7
8	·68	·05	·12	–	·35	–	·87	–	–	·02	–	–	8
9		·19	–	–	·22	·10	·60	·04	–	1·24	·24	–	9
10	·18	·09	–	–	–	·03	·67	·07	–	1·68	·10	–	10
11	·01		–	–	–	·11	·62	·01	–	·18	–	·01	11
12	·04		–	–	·01	–	·23	–	–	·05	–	·02	12
13			–	–	·08	·02	·21	·02	–	·52	·34	–	13
14	·61		·01	–	–	–	·21	·13	–	–	·26	–	14
15	·10		·24	–	–	·03	·02	·08	–	·18	·01	·03	15
16	·02	·03	·37	–	–	·17	–	·03	–	·45	–	–	16
17	·02	·21	·44	–	–	·55	·15	·05	·08	–	·02	–	17
18	·38	·01	·26	–	–	·92	–	·02	–	–	·04	–	18
19		·01	·55	–	–	·08	–	·07	·19	·02	·56	–	19
20		·29	·06	–	·02	·77	–	·33	·29	–	–	–	20
21		·05	–	–	·07	·20	–	·27	–	·12	–	·01	21
22		·01	–	·13	·01	·01	–	·18	·29	·09	·01	–	22
23		·51	–	·22	–	·18	–	·01	·06	·19	–	–	23
24		·43	–	·17	·04	·80	–	–	·06	·16	–	–	24
25		·57	–	·08	·04	·18	–	–	·04	–	–	·18	25
26		·67	–	·11	·12	–	–	–	·07	·55	–	·02	26
27		·23	–	·02	·02	–	–	–	·02	·06	–	·11	27
28	·01	·16	–	·31	–	–	·06	·22	–	·11	–	·02	28
29	·05	✕	·07	–	–	–	·03	·01	–	·01	–	·06	29
30		✕	·18	·02	–	–	·18	–	·04	·16	–	·21	30
31	·85	✕	·37	✕	–	✕	·01	–	✕	·90	✕	–	31
TOTAL	7·05	6·88	4·57	1·06	2·17	4·51	4·16	1·58	1·21	7·47	1·97	1·96	YEAR'S TOTAL 44·59
*Days with ·01 in. or more.	~~18~~	~~22~~	~~18~~	~~8~~	~~16~~	~~18~~	~~15~~	~~17~~	~~11~~	~~22~~	~~12~~	~~18~~	~~190~~
*Days with ·04 in. or more.	~~14~~	~~18~~	~~15~~	~~6~~	~~12~~	~~14~~	~~11~~	~~11~~	~~10~~	~~19~~	~~8~~	~~5~~	~~147~~

Feby. Unable to reach gauge from 24th to 27th owing to snow drifts.

40-9999

*See Instruction 2 (*f*) on other side.

D M

(*Signed*)..........

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No 4228

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 109

REGISTER OF RAINFALL IN 1934.

Kept at Birmingham W.W., Nantgwillt
in the County of Radnor

No 1.

T.L.

Diameter of Funnel of Gauge..........in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·20	–	·04	–	–	–	–	1·03	·11	·39	·63	·40	1
2	–	–	·15	–	–	–	–	·72	·33	·01	·20	·61	2
3	·11	–	·05	–	·26	–	–	·11	·35	·73	·22	·43	3
4	·29	–	·51	·18	·18	–	–	·11	·11	·45	·06	·88	4
5	·12	–	·24	·04	·26	–	–	1·10	–	·08	·02	·25	5
6	·25	–	·05	·01	1·11	·01	–	·07	·03	·31	–	·44	6
7	·55	–	–	–	–	–	–	·05	·01	·16	·13	·97	7
8	–	–	–	–	·09	–	–	·03	·22	·09	·41	·87	8
9	·02	·04	·27	·01	–	–	–	·20	·03	·02	·37	·38	9
10	·63	·01	·37	·26	–	–	–	·56	·01	·11	·02	–	10
11	1·36	–	·10	·80	–	–	·03	·52	–	·01	–	·11	11
12	·05	–	·01	·02	–	–	·05	·21	–	·04	–	·17	12
13	1·45	–	–	·34	–	·02	–	–	–	·18	–	·09	13
14	·21	–	1·16	·04	–	·08	–	–	–	·45	·05	·85	14
15	·22	–	1·08	·02	·44	–	·08	·03	·12	·44	·06	·62	15
16	·65	–	·56	·03	·07	–	–	·02	·34	·11	·06	·10	16
17	·34	–	·52	·55	·22	–	·67	–	·19	·04	–	·68	17
18	·60	–	·05	·30	·02	·15	–	·04	·06	·01	–	·80	18
19	·01	–	·29	–	·03	·24	–	·12	·23	·05	–	·70	19
20	–	–	–	·13	·06	·05	·01	·03	·02	·09	·03	·02	20
21	·01	–	·06	·06	·03	·12	·17	·11	·04	·44	·02	·02	21
22	·02	–	·05	·01	·08	–	–	·29	·48	·35	·01	·30	22
23	–	–	·12	·59	·01	·60	–	·01	·06	·05	·01	·01	23
24	–	·40	·03	·14	–	·07	·01	–	·11	·12	–	–	24
25	·52	·02	–	·27	·06	·01	·01	–	·16	·95	–	1·25	25
26	·07	–	·04	·06	–	·33	·15	–	·47	·06	·14	·52	26
27	·01	–	–	·04	–	·45	·04	·07	·03	·21	·01	·31	27
28	–	–	–	·65	–	·04	·33	·40	·21	·19	·04	·63	28
29	–	×	–	–	–	–	·08	·24	·32	·24	·02	·29	29
30	·02	×	–	–	–	–	·02	·37	·48	·18	–	·49	30
31	·01	×	–	×	–	×	·18	·04	×	·20	×	·54	31
TOTAL	7·72 ✓	0·47 ✓	5·75 ✓	4·49 ✓	2·91	2·17 ✓	2·43 ✓	6·48 ✓	4·52 ✓	6·76 ✓	2·51 ✓	13·73 ✓	YEAR'S TOTAL 59·94
*Days with ·01 in. or more.	~~24~~	~~4~~	~~21~~	~~22~~	~~15~~	~~13~~	~~14~~	~~25~~	~~25~~	~~31~~	~~20~~	~~29~~	~~243~~
*Days with .04 in. or more.	~~17~~	~~2~~	~~19~~	~~16~~	~~11~~	~~10~~	~~9~~	~~20~~	~~19~~	~~27~~	~~12~~	~~26~~	~~188~~

40-9999

*See Instruction 2 (*f*) on other side.

M

(Signed) J. W. Wilkinson M.Inst.C.E. P.T.O.
Chief Engineer. City of Birmingham Water Dept.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations.

Station No. 4228

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090

REGISTER OF RAINFALL IN 1935.

Kept at Birmingham W.W., Nantgwillt No I

in the County of Radnor

Tr

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground ...... ft ...... in.

,, Ground ,, Sea Level ...... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·29	·05	·20	·05	-	·04	·04	-	·81	·41	·04	·66		1
2	-	·05	·02	-	·01	·02	·01	-	·18	·18	·14	·78		2
3	·06	·30	·12	·28	-	·04	·17	-	·06	·26	·42	·32		3
4	·02	·02	·14	·24	-	·13	·03	-	·28	·20	·03	·21		4
5	·02	·56	·26	·24	-	·06	·09	-	·01	-	·20	·13		5
6	-	-	-	·41	-	·87	-	-	-	-	·04	·22		6
7	-	-	-	·38	-	·66	-	-	-	·42	-	·35		7
8	·02	-	-	·34	-	·03	-	-	-	·52	·23	·32		8
9	·04	·01	-	1·02	-	·20	-	-	-	1·21	·13	-		9
10	·04	-	-	1·08	-	·10	-	-	-	·63	·07	-		10
11	·53	·30	-	-	-	·57	-	·02	-	·37	·93	-		11
12	·05	·23	-	-	-	·33	-	·12	·09	·01	·33	-		12
13	·41	·16	-	·11	·03	·02	-	-	1·20	·14	·82	-		13
14	·01	·05	-	·12	·01	·11	-	·01	·58	·01	·91	·30		14
15	-	1·14	-	·68	·10	·04	-	·08	·14	·14	·68	·28		15
16	-	·51	·01	·35	·10	·02	·12	·01	2·00	·32	·51	·80		16
17	-	·02	-	·45	·64	·17	·08	·12	·44	·02	·48	-		17
18	-	·07	-	·52	·05	·14	-	·22	1·02	·42	·06	-		18
19	-	·34	-	·06	·48	·58	·26	-	·25	·40	·40	-		19
20	-	1·14	-	·44	·33	·09	·10	-	·01	·01	·86	-		20
21	-	1·03	·01	·23	-	-	-	-	·20	·16	·18	-		21
22	-	·04	·12	·10	-	-	-	-	·29	·04	-	-		22
23	·05	·10	1·20	·50	-	·03	-	·03	·26	·25	-	·17		23
24	·59	1·13	·06	-	-	-	-	-	1·22	·18	-	·25		24
25	·66	·11	·03	·07	-	·80	-	-	-	·01	·06	·21		25
26	·02	·22	·01	-	-	·02	·01	1·01	·33	·06	·13	·28		26
27	-	·17	-	-	·03	·02	·24	·07	1·10	1·04	·49	·02		27
28	·07	·09	-	-	·02	-	-	·30	·22	·69	·21	·03		28
29	·01	×	-	-	-	-	-	·04	·32	·28	·71	·76		29
30	·03	×	-	·10	-	·17	-	·04	·48	·79	1·15	·41		30
31	·01	×	-	×	·32	×	-	·01	×	·56	×	·28		31
TOTAL	2·87	7·84	2·18	7·77	2·12	5·26	1·15	2·08	11·49	9·73	10·21	6·78	Year's Total 69·48	
*Days with ·01 in. or more.	~~19~~	~~24~~	~~12~~	~~22~~	~~12~~	~~25~~	~~11~~	~~14~~	~~23~~	~~29~~	~~26~~	~~20~~	~~237~~	
*Days with ·04 in. or more.	~~11~~	~~21~~	~~7~~	~~22~~	~~7~~	~~18~~	~~8~~	~~9~~	~~21~~	~~24~~	~~25~~	~~18~~	~~191~~	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(Signed) J. M. Wilkinson M.Inst.C.E.

Chief Engineer

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4228

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Birmingham W.W., Nantgwillt

No. 1

in the County of Radnor

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·37	·27	·02	·33	–	·42	·05	·04	·04	–	·20	·83		1
2	·03	·06	–	·14	–	·30	·02	·06	·24	–	·08	·26		2
3	·09	·04	·02	–	–	·08	–	·09	·42	–	·01	·15		3
4	·15	–	·22	–	–	·17	–	·06	·81	–	·81	·43		4
5	·67	·05	·35	–	·08	–	·06	·21	·32	–	·04	·57		5
6	·50	–	·02	–	–	·02	·22	·05	·17	–	·99	·06		6
7	·06	–	·15	–	–	–	·10	–	1·08	–	·78	·13		7
8	·65	–	·23	–	–	–	·38	–	·15	–	1·20	·11		8
9	1·70	–	·02	–	–	·02	1·05	–	·13	·02	·36	–		9
10	·14	·12	–	–	–	·01	·15	–	–	–	·11	–		10
11	–	·03	–	·03	·01	·10	·11	·06	·14	–	1·05	·05		11
12	–	–	–	·02	·07	·16	·92	·03	·35	·05	·08	·40		12
13	–	·01	–	·12	·04	·04	·06	–	–	·50	·15	2·62		13
14	–	–	–	·10	–	·21	·20	–	·31	·12	·07	1·37		14
15	·03	·03	–	·07	·66	·03	·05	·01	–	–	·52	·60		15
16	·07	·05	·01	·34	·40	·03	·06	–	–	·01	·59	·14		16
17	·28	1·20	–	·02	·15	·05	1·00	–	–	·48	·16	·79		17
18	–	·53	–	·02	–	–	1·22	·08	–	·51	–	·22		18
19	·70	·04	·12	·41	–	·25	·07	·10	–	·30	–	·01		19
20	·17	·26	·17	–	–	1·19	·01	·03	–	·02	–	·09		20
21	·09	–	·02	1·01	–	1·47	–	–	–	·05	–	·06		21
22	·13	·18	·59	·01	·15	·02	·46	–	–	·02	–	·09		22
23	·04	·31	·15	·23	·03	·01	·44	–	–	·11	–	·01		23
24	·35	·02	–	·05	·05	–	·02	–	·19	·67	·01	–		24
25	·30	·01	·09	1·30	–	–	·25	–	·38	·47	–	·01		25
26	·79	·18	·45	·01	–	–	·13	–	·01	·22	·03	–		26
27	·42	·16	·09	–	–	–	·05	–	·13	·33	–	–		27
28	·46	·10	·35	·01	–	·89	·22	–	–	·02	·02	·16		28
29	·11	·10	·65	–	·13	·82	·04	–	–	·04	·12	·30		29
30	·07	✕	·03	–	·08	·20	·30	–	–	1·04	·09	·10		30
31	·65	✕	·21	✕	·45	✕	·13	–	✕	–	✕	·97		31
TOTAL	9·02	3·75	3·96	4·22	2·30	6·49	7·77	·82	4·87	4·98	7·47	10·53	Year's Total. 66·18	
* Days with .01 in. or more.	~~26~~	~~21~~	~~21~~	~~18~~	~~13~~	~~22~~	~~28~~	~~12~~	~~16~~	~~19~~	~~22~~	~~26~~	~~244~~	
* Days with .04 in. or more.	~~24~~	~~14~~	~~14~~	~~11~~	~~11~~	~~15~~	~~25~~	~~9~~	~~15~~	~~14~~	~~18~~	~~23~~	~~195~~	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) J. Wilkinson [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4228

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Birmingham W.W., Nantgwillt

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·24	·18	·01	·06	–	–	·07	–	·26	·16	–	·23		1
2	·31	·08	·03	·09	–	–	–	–	·02	–	–	·73		2
3	·05	·88	–	–	·32	·11	·13	–	·05	–	–	·02		3
4	·47	·26	–	·13	·11	·03	·01	·11	–	–	–	1·40		4
5	1·55	–	·10	·04	–	–	·09	–	–	–	–	·15		5
6	·85	·08	·30	·30	·15	·04	·01	·01	·03	–	·03	–		6
7	–	·90	·12	·24	–	·11	–	–	·12	–	–	–		7
8	–	·35	–	–	·13	·12	·09	–	·02	·05	·27	–		8
9	·03	·08	–	·24	·03	·08	·26	·01	·42	–	–	–		9
10	·18	·15	·19	·03	–	·06	–	–	·02	–	–	·58		10
11	·20	·01	·62	·03	·20	·31	·16	·04	–	–	–	·09		11
12	1·30	·31	·20	·01	·01	·38	·03	·01	·25	–	·01	·42		12
13	·28	·04	·14	·46	–	·08	–	·04	·22	–	–	·42		13
14	–	·07	·11	·08	–	–	–	·01	·16	–	·03	·11		14
15	·94	·50	·09	·44	–	–	·49	–	·33	–	·01	·33		15
16	·20	·51	·81	·89	–	–	·01	·31	·13	–	–	–		16
17	·60	·20	·55	·26	–	–	–	–	1·06	–	·02	–		17
18	·60	·19	·44	–	–	·09	·06	·05	·07	–	·17	·12		18
19	·06	·28	·11	·30	·03	·05	·25	–	·01	–	·19	·02		19
20	·66	·46	·19	·88	·02	·02	·01	–	–	–	–	·16		20
21	·70	·43	·05	·44	·15	–	·40	–	·01	·16	–	·10		21
22	·42	·07	·04	·04	·41	–	·82	–	·05	·48	·35	·35		22
23	·14	·23	·02	–	·62	–	·04	–	–	·59	·23	·03		23
24	·66	·49	·35	–	·04	–	·06	–	·06	·45	–	·12		24
25	–	·63	–	–	·01	–	·01	–	·03	·26	–	·03		25
26	–	·65	·09	–	·15	–	–	–	–	·04	–	·01		26
27	–	·70	–	·02	·02	–	–	–	–	·67	–	–		27
28	–	·45	–	–	–	·09	–	–	–	·03	–	·01		28
29	·02	×	–	–	–	·05	–	–	–	1·12	·15	–		29
30	·36	✕	–	–	–	·14	–	·62	·15	·13	·35	–		30
31	·44	✕	–	✕	–	✕	–	·05	✕	·46	✕	–		31
TOTAL	11·26	9·78	4·56	4·98	2·40	1·76	3·00	1·26	3·47	4·60	1·81	5·43	Year's Total 54·31	
* Days with .01 in. or more.	~~24~~	~~27~~	~~21~~	~~20~~	~~16~~	~~16~~	~~19~~	~~11~~	~~21~~	~~13~~	~~12~~	~~21~~	~~221~~	
* Days with .04 in. or more.	~~22~~	~~20~~	~~18~~	~~16~~	~~10~~	~~14~~	~~13~~	~~7~~	~~14~~	~~12~~	~~7~~	~~15~~	~~174~~	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. M. Wilkinson [P.T.O.

M.Inst.C.E.,

COPY FOR OFFICIAL USE

Sec | A | for the entry of Daily Observations

Station No. 4228

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Birmingham W.W., Nantgwillt

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.

VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·12	·02	-	-	1·12	-	·22	-	·34	·09	·40		1
2	-	·19	-	·32	·07	·33	·23	·01	-	·31	·09	·19		2
3	-	-	-	·05	·07	·05	·27	-	·01	1·34	·05	·01		3
4	·02	-	·01	·02	-	·03	·78	·44	-	·59	·14	·58		4
5	·04	·01	-	·04	-	·07	·12	·04	·09	·70	·02	·22		5
6	·38	·02	-	-	-	·76	·86	-	·30	1·01	·04	·50		6
7	·37	-	·01	-	-	.	·28	·32	·04	·33	-	·12		7
8	·27	·02	-	-	-	.	·27	·10	-	·98	-	·30		8
9	·51	·38	·05	-	-	·31	·05	·28	-	·06	-	·95		9
10	·18	·03	-	-	-	·06	·78	·26	-	·26	-	·60		10
11	1·07	·15	-	-	-	·04	·04	·01	·01	·17	·63	·40		11
12	·60	·02	-	-	·38	·04	·01	-	-	·57	2·30	·12		12
13	·04	-	-	-	·16	.	-	-	·04	·12	·37	·42		13
14	1·95	-	-	-	·19	.	·16	-	·05	-	·03	·01		14
15	·47	-	·07	-	1·19	.	·01	·06	-	·02	·11	·93		15
16	·70	-	·05	-	·01	.	-	·04	-	·15	·10	·02		16
17	-	·02	-	-	-	.	·04	-	·20	·36	·01	·04		17
18	·30	-	-	-	-	·02	-	·57	·08	·09	·73	.		18
19	·08	-	-	-	-	.	-	·25	·06	.	·53	.		19
20	·19	-	·18	-	-	.	-	·10	·04	.	·35	·01		20
21	·01	-	·01	-	-	.	-	·28	·06	:	·20	·01		21
22	·03	-	-	·06	·01	·15	-	·08	-	·03	·59	·01		22
23	·04	-	-	·06	·07	·06	-	·02	·09	.	·26	.		23
24	·30	·11	·33	·03	·10	·07	·01	·19	·02	·04	·17	.		24
25	·15	·35	·04	-	·07	·03	·25	·13	-	·41	1·76	·06		25
26	·62	1·25	·26	-	·33	·60	·01	-	-	·46	·06	·05		26
27	·67	·44	·05	-	·66	·21	·88	·21	·14	·05	·66	.		27
28	·40	·43	·02	-	·01	·83	·18	·06	·07	-	·22	·01		28
29	·40	×	·04	-	·84	·02	·20	-	·04	·11	·26	·59		29
30	·18	✕	-	-	·06	·38	·11	-	·32	·01	·57	·40		30
31	·41	✕	-	✕	·45	✕	·02	·06	✕	·51	✕	·66		31
TOTAL	10·38	3·54	1·14	0·58	4·61	5·18	5·56	3·73	1·66	9·02	10·34	7·61	Year's Total 63·35	
* Days with .01 in. or more.	~~27~~	~~15~~	~~14~~	~~9~~	~~17~~	~~20~~	~~22~~	~~22~~	~~18~~	~~25~~	~~20~~	26	239 #	
* Days with .04 in. or more.	~~24~~	~~9~~	~~9~~	~~5~~	~~14~~	~~16~~	~~17~~	~~19~~	~~15~~	~~22~~	~~23~~	19	192 #	

† Spare column, no entries required.

(*Signed*) J. M. Wilkinson [P.T.O.

M. Inst. C.E.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4228

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at Birmingham W.W., Nantgwillt

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·06	-	1·08	·46	·04	-	-	·13	-	·02	·03	·37		1
2	·03	-	·11	·02	-	-	·01	·46	·25	-	·11	·17		2
3	·26	-	·29	·52	-	-	·01	·08	·02	-	·04	·88		3
4	·05	-	·49	·60	·51	-	·50	-	·01	·27	·29	·83		4
5	-	-	·01	·19	·01	-	·30	-	-	·24	·96	·02		5
6	·74	·03	·15	-	-	-	1·08	·06	-	·01	·40	-		6
7	·14	·18	·10	-	-	-	·53	·09	-	-	·86	·60		7
8	·30	·86	·44	-	·09	-	·48	·05	-	·12	1·19	·07		8
9	·14	·45	·01	-	-	-	·01	·61	·02	·18	·04	·58		9
10	1·12	·02	·01	-	-	·03	-	·08	·10	·73	·01	1·05		10
11	·08	·14	·17	-	-	·02	-	·02	-	·15	-	·01		11
12	·28	·13	-	·20	-	·02	-	-	·21	·06	·02	-		12
13	-	·10	-	·64	·05	·01	·46	-	·04	·01	·10	-		13
14	1·57	·01	·01	·21	·15	·20	·11	-	·01	·05	·48	-		14
15	·89	·09	·03	·24	·10	·68	·35	-	-	·01	·28	-		15
16	·59	·01	·05	·07	·11	·19	·06	-	-	-	·76	-		16
17	·97	·25	-	·06	·01	·41	·03	-	-	·06	·16	-		17
18	·47	·16	·02	-	-	·11	·53	-	-	·01	1·17	-		18
19	·31	·02	·01	-	-	-	·27	·21	-	-	·02	-		19
20	·33	·03	·01	-	·01	-	·19	·30	-	-	-	·02		20
21	·16	·77	·56	·22	·12	·23	·27	·35	·07	-	-	-		21
22	·86	1·34	·37	·14	·02	·17	·09	-	-	-	1·20	-		22
23	·51	·53	·03	·50	-	·04	·43	-	-	·86	·46	-		23
24	·18	·12	·03	·10	-	·09	·07	-	-	·23	·02	-		24
25	·27	·35	·02	·02	-	·04	·13	-	-	·23	2·33	·05		25
26	·03	·18	-	·05	-	-	-	·23	-	·06	·76	·01		26
27	-	·81	·06	-	-	·38	·16	·40	-	-	·32	·05		27
28	·01	·58	·06	·05	-	·45	·94	·05	-	-	·58	·06		28
29	-	X	-	·10	-	·07	1·65	-	-	·04	·95	-		29
30	-	✕	-	·09	-	·10	·26	-	-	·02	·15	·25		30
31	-	✕	-	✕	-	✕	·06	·12	✕	·20	✕	·02		31
TOTAL	10·35	7·16	4·12	4·48	1·22	3·24	8·98	3·24	0·78	3·56	13·69	5·04	Year's Total 65·86	
* Days with .01 in. or more.	~~25~~	~~23~~	~~24~~	~~20~~	~~12~~	~~18~~	~~26~~	~~16~~	~~9~~	[illegible]	~~27~~	~~17~~	~~238~~	
* Days with .04 in. or more.	~~22~~	~~17~~	~~13~~	~~18~~	~~8~~	~~14~~	~~22~~	~~15~~	[illegible]	~~15~~	~~22~~	~~12~~	~~182~~	

† Spare column, no entries required.

(*Signed*) J. W. Wilkinson [P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4228

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

Kept at Birmingham W.W., Nantgwillt

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	-	-	·19	·17	-	-	-	-	-	·74	·01		1
2	-	·01	-	·19	-	-	·15	-	-	-	2·90	·12		2
3	-	·55	-	·19	-	-	·05	-	-	·05	·86	·12		3
4	-	·11	-	·06	-	-	·02	-	-	·16	·29	·16		4
5	-	·02	-	-	·04	-	·08	-	·01	1·18	·91	·43		5
6	·20	·49	-	-	-	-	·06	-	-	·87	·06	·28		6
7	·05	·61	-	·03	·03	-	·18	-	·14	·62	·01	·22		7
8	-	·01	-	-	-	-	·12	·01	·01	·66	·13	·47		8
9	-	-	-	·04	-	-	·92	·19	·22	·70	·95	·57		9
10	-	-	·11	-	-	-	·08	·10	·11	·24	·27	·62		10
11	-	·01	·03	·06	-	-	2·06	-	-	-	1·97	·23		11
12	-	-	·40	-	-	·06	·45	·01	·36	-	·51	·01		12
13	-	·01	·15	·01	-	-	·10	·09	·19	-	·13	·32		13
14	-	·04	·05	·30	-	-	·09	·05	·20	·56	·36	·78		14
15	·01	-	·12	·07	·92	·03	·01	-	·10	·46	·50	·12		15
16	·01	·43	·24	·02	-	-	·27	-	1·02	·17	·70	·12		16
17	·02	·01	·47	-	-	-	·25	-	·22	-	·18	·01		17
18	·37	·61	·97	·26	-	-	·02	·19	·22	·01	·02	·30		18
19	·02	·14	·28	·24	-	-	·45	-	·04	-	·35	·01		19
20	-	-	·02	·30	-	-	·57	·22	-	·22	·10	-		20
21	-	-	·05	·01	·16	·25	·06	·02	-	-	1·64	-		21
22	-	·03	·07	·10	·02	·08	-	·05	·11	-	·02	-		22
23	-	·09	·12	·17	·13	·02	·03	-	·16	-	·08	-		23
24	·06	·01	·04	-	·13	-	·04	·01	-	-	·01	-		24
25	·08	-	-	·10	·27	·03	-	-	-	-	·01	·01		25
26	1·60	·54	-	-	·18	-	·11	·12	-	-	·11	-		26
27	·90	·72	-	·81	·03	-	·24	-	-	-	·22	·01		27
28	·23	·12	-	·23	·22	-	-	·05	-	-	·01	·02		28
29	·04	-	·57	·11	-	·08	·04	-	-	·01	-	·70		29
30	-	✕	·04	·79	·04	-	-	-	-	·64	-	·06		30
31	·06	✕	·63	✕	·06	✕	-	-	✕	1·23	✕	·04		31
TOTAL	3·65	4·56	4·36	4·28	2·40	0·55	6·45	1·11	3·11	7·78	14·04	5·74	Year's Total 58·03	✓
* Days with .01 in. or more.	~~14~~	~~20~~	~~18~~	~~22~~	~~14~~	~~7~~	~~25~~	~~13~~	~~15~~	~~16~~	~~28~~	~~25~~	~~217~~	✓
* Days with .04 in. or more.	~~10~~	~~12~~	~~16~~	~~18~~	~~11~~	~~4~~	~~21~~	~~9~~	~~18~~	~~14~~	~~22~~	~~18~~	~~168~~	✓

† Spare column, no entries required.

(*Signed*) A. A. Barnes

CHIEF ENGINEER.

* See Instruction 3 (f) on other side.

4228/1

Section **A** for the entry of … PY FOR OFFICIAL USE.
AIR MINISTRY … ORGANIZATION.

FORM 1090. **REGIST**

XI/Radnor/1.

Cirp 530.

Kept at NANTGWILLT

in the County of RA

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea L

THE MORNING MEASU

An observer who does not conform to … owing
year in the space on the right of th

Jan. 1, following

4228/1

NANT GWILLT No 2

1931 — 40

7408 03

Date	Jan.	Feb.	March								Nov.	Dec.	Date
	in.	in.	in.								in.	in.	
1	·13	–	–	·06	–	·02	·01	–	·60	·18	–	–	1
2	·02	·11	–	·52	·51	–	–	·09	·72	·03	1·05	·73	2
3	·26	–	·01	–	–	–	·09	–	·33	·01	3·65	·28	3
4	–	–	·13	·32	·21	–	·09	·35	·13	·03	·16	·28	4
5	–	·18	–	·40	·07	·92	·02	·11	–	–	·01	·50	5
6	–	·09	–	·24	·08	·03	·41	·01	·05	·53	·23	·04	6
7	–	·04	–	–	·20	·14	·18	·40	–	·20	·12	·17	7
8	·06	·24	–	·17	–	·53	·02	·29	–	·07	·34	·19	8
9	–	·94	–	·03	–	·14	·02	·05	–	·34	·72	·11	9
10	·01	·19	–	–	·20	·31	·01	·27	·01	–	·89	–	10
11	·58	·57	·10	·01	·05	·07	·17	·11	·37	–	·32	–	11
12	·01	·49	–	·01	–	–	·18	·01	·08	·11	·13	–	12
13	–	·18	·14	–	·33	·02	·19	·33	–	–	·04	·02	13
14	·19	·24	·04	–	·24	·41	·28	·92	·04	–	1·06	·02	14
15	·16	·36	–	·25	·11	·07	·36	·39	–	–	–	·04	15
16	·81	·45	–	·78	·03	·33	·02	·59	·06	–	–	·01	16
17	·09	·12	–	·17	·35	·11	·31	–	–	–	·03	–	17
18	·95	–	·02	·03	·15	·40	·41	·17	–	–	·23	–	18
19	·19	·14	–	·08	–	·06	·09	·85	–	–	·04	·04	19
20	–	·23	·23	–	–	·01	–	·35	·02	–	·11	·03	20
21	·77	·02	–	·01	·36	·06	·04	·03	–	–	·09	–	21
22	·73	·24	·33	·06	·15	·01	·15	·06	–	–	·01	–	22
23	·35	·04	–	·38	·23	·04	·33	–	–	–	·63	·30	23
24	·14	·15	–	·66	·11	–	·22	–	–	–	·21	·26	24
25	·54	·75	–	·60	·03	–	·06	–	–	–	·17	·26	25
26	·05	·28	–	·22	–	–	·21	–	–	–	·82	·08	26
27	·23	·61	·11	·06	1·93	–	·22	–	–	·41	·31	·14	27
28	·91	·42	·28	·15	·34	–	·11	–	–	·01	–	·71	28
29	·40	×	·28	–	·04	–	·40	–	·02	·49	·10	·06	29
30	·08	×	–	·06	–	–	·01	–	·09	–	–	·01	30
31	·83	×	–	×	·28	×	·01	–	×	·01	×	·18	31
TOTAL	8·49	7·08	1·67	5·27	6·00	3·68	4·62	5·38	2·52	2·42	11·47	4·46	YEAR'S TOTAL 63·06
*Days with ·01 in. or more.	24	24	11	23	22	19	29	19	13	13	25	23	245
*Days with ·04 in. or more.	21	23	9	18	20	14	21	16	10	8	22	18	200

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson [P.T.O.
Chief Engineer.
City of Birmingham Water Dept.

Checked

4228/1

Section **A** for the entry of PY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 193 .

XI/Radnor/1.

Not to be printed see file

Comp 1930.

Kept at NANTGWILLT No. 2

in the County of RADNOR

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 600' approx ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·13	–	–	·06	–	·02	·01	–	·60	·18	–	–	1
2	·02	·11	–	·52	·51	–	–	·09	·72	·03	1·05	·73	2
3	·26	–	·01	–	–	–	·09	–	·33	·01	3·65	·28	3
4	–	–	·13	·32	·21	–	·09	·35	·13	·03	·16	·28	4
5	–	·18	–	·40	·07	·92	·02	·11	–	–	·01	·50	5
6	–	·09	–	·24	·08	·03	·41	·01	·05	·53	·23	·04	6
7	–	·04	–	–	·20	·14	·18	·40	–	·20	·12	·17	7
8	·06	·24	–	·17	–	·53	·02	·29	–	·07	·34	·19	8
9	–	·94	–	·03	–	·14	·02	·05	–	·34	·72	·11	9
10	·01	·19	–	–	·20	·31	·01	·27	·01	–	·89	–	10
11	·58	·57	·10	·01	·05	·07	·17	·11	·37	–	·32	–	11
12	·01	·49	–	·01	–	–	·18	·01	·08	·11	·13	–	12
13	–	·18	·14	–	·33	·02	·19	·33	–	–	·04	·02	13
14	·19	·24	·04	–	·24	·41	·28	·92	·04	–	1·06	·02	14
15	·16	·36	–	·25	·11	·07	·36	·39	–	–	–	·04	15
16	·81	·45	–	·78	·03	·33	·02	·59	·06	–	–	·01	16
17	·09	·12	–	·17	·35	·11	·31	–	–	–	·03	–	17
18	·95	–	·02	·03	·15	·40	·41	·17	–	–	·23	–	18
19	·19	·14	–	·08	–	·06	·09	·85	–	–	·04	·04	19
20	–	·23	·23	–	–	·01	–	·35	·02	–	·11	·03	20
21	·77	·02	–	·01	·36	·06	·04	·03	–	–	·09	–	21
22	·73	·24	·33	·06	·15	·01	·15	·06	–	–	·01	–	22
23	·35	·04	–	·38	·23	·04	·33	–	–	–	·63	·30	23
24	·14	·15	–	·66	·11	–	·22	–	–	–	·21	·26	24
25	·54	·75	–	·60	·03	–	·06	–	–	–	·17	·26	25
26	·05	·28	–	·22	–	–	·21	–	–	–	·82	·08	26
27	·23	·01	·11	·06	1·93	–	·22	–	–	·41	·31	·14	27
28	·91	·42	·28	·15	·34	–	·11	–	–	·01	–	·71	28
29	·40	×	·28	–	·04	–	·40	–	·02	·49	·10	·06	29
30	·08	×	–	·06	–	–	·01	–	·09	–	–	·01	30
31	·83	×	–	×	·28	×	·01	–	×	·01	×	·18	31
TOTAL	8·49	7·08	1·67	5·27	6·00	3·68	4·62	5·38	2·52	2·42	11·47	4·46	YEAR'S TOTAL 63·06
*Days with ·01 in. or more.	24	24	11	23	22	19	29	19	13	13	25	23	245
*Days with ·04 in. or more.	21	23	9	18	20	14	21	16	10	8	22	18	200

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson
Chief Engineer.
City of Birmingham Water Dept

Checked [P. N.]

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4228

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Nantgwillt (Nº 2)
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level ft.

1930 comp
1931 NP see file

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·38	·01	-	·64	1·62	·05	·36	·23	·32	-	·11	·54	1
2	·29	-	-	·01	·20	-	·01	·03	·60	·15	·17	·26	2
3	·06	-	-	·20	-	-	·40	-	-	·08	·18	·20	3
4	·21	-	-	·36	-	-	·20	-	-	·01	·40	·01	4
5	1·75	-	·11	·25	·01	-	-	·01	·26	·01	-	-	5
6	·93	-	·37	·60	·02	-	·50	·01	·20	·07	-	-	6
7	·41	-	·64	·17	·10	-	·12	-	·70	1·56	-	-	7
8	·08	-	·19	·17	·04	-	-	-	·07	·11	-	-	8
9	1·05	·03	-	·29	·41	-	-	-	·03	-	·01	-	9
10	·80	-	-	·64	·06	-	-	-	·31	·68	-	-	10
11	·43	·01	-	·10	·27	·37	·95	-	·01	·04	·02	-	11
12	·77	-	-	·02	·38	-	·01	·01	·52	·51	-	·01	12
13	·16	·02	-	·32	·07	-	·64	·19	·32	·26	·04	·36	13
14	·49	·02	-	·19	·02	-	-	·06	·01	·27	·11	·11	14
15	·18	-	-	·01	·28	-	-	-	-	·19	·01	·03	15
16	1·21	-	-	·15	-	-	·24	-	-	·04	-	·05	16
17	·01	-	-	-	-	-	·03	-	·02	·52	-	·16	17
18	·02	-	-	-	·37	-	-	-	·02	·03	·36	·02	18
19	-	-	-	·18	·36	-	-	-	-	·39	·02	·02	19
20	-	-	-	·24	·33	-	·04	·06	-	·60	·20	·23	20
21	-	·01	·19	·16	·01	-	-	·30	-	1·61	·38	·28	21
22	·03	-	·04	·12	·01	-	·17	-	·57	·55	·84	·47	22
23	-	·03	-	·06	·07	-	·02	-	·03	·10	·40	·39	23
24	·08	-	-	·05	·03	·03	·07	-	·19	·05	·15	·01	24
25	-	·01	-	·03	-	·04	·24	-	·18	·86	·41	-	25
26	-	-	·09	·23	·08	-	·18	-	·06	·29	·08	·01	26
27	-	-	·75	·50	·09	-	·37	-	-	·21	·44	·03	27
28	-	-	·91	·07	·20	·01	·39	·03	-	·02	·06	·03	28
29	-	-	1·02	·45	·16	·24	·14	·34	·19	1·51	·75	·65	29
30	·01	✕	·19	·30	·04	·95	·06	·04	·03	·86	·61	·05	30
31	-	✕	·03	✕	-	✕	·42	·02	✕	·02	✕	·54	31
													YEAR'S TOTAL
TOTAL	9·95	·14	4·53	6·51	5·23	1·69	5·56	1·33	4·64	11·60	5·75	4·46	61·39
*Days with ·01 in. or more.	21	8	12	28	25	7	22	13	21	29	22	23	231
*Days with .04 in. or more.	17	-	11	24	19	5	18	7	14	24	18	14	171

40-9999 M

*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson Chief Engineer
City of Birmingham Water Dept.

P.T.O.

4228/1

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Birmingham W.W., Nantgwillt
in the County of Radnor

No. 2.

check up

Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·50	1·11	·12	–	–	·04	–	–	·07	·15	·35	1·23	1
2	1·23		·39	–	·20	·26	–	–	–	–	·04	·01	2
3	·30	·42	·30	–	·08	–	–	–	–	–	·01	–	3
4	·87	·31	·01	–	·06	–	–	–	–	–	–	–	4
5	·20	·34	·81	–	·29	–	–	–	–	–	–	–	5
6		·44	·18	–	·42	–	·01	–	–	·12	–	–	6
7	·58	·79	·01	–	–	·05	·28	·04	–	1·14	–	·01	7
8	·69	·05	·11	–	·40	–	·81	–	–	·02	–	–	8
9		·19	–	–	·27	·10	·59	·04	–	1·29	·25	–	9
10	·19	·09	–	–	–	·03	·66	·07	–	1·66	·11	–	10
11	·01		–	–	–	·12	·64	·01	–	·18	–	·01	11
12	·04		–	–	·01	–	·23	–	–	·05	–	·02	12
13			–	–	·08	·02	·20	·02	–	·50	·36	–	13
14	·58		·01	–	–	–	·23	·12	–	–	·23	–	14
15	·07		·23	–	–	·03	·02	·08	–	·18	·01	·03	15
16	·02	·03	·35	–	–	·17	–	·03	–	·49	–	–	16
17	·02	·25	·44	–	–	·62	·16	·05	·09	–	·02	–	17
18	·41	·01	·26	–	–	1·03	–	·02	–	–	·04	–	18
19		·01	·54	–	–	·09	–	·07	·18	·02	·57	–	19
20		·31	·07	–	·02	·74	–	·34	·28	–	–	–	20
21		·06	–	–	·07	·21	–	·29	–	·12	–	·01	21
22		·01	–	·12	·01	·01	–	·17	·28	·10	·01	–	22
23		·55	–	·20	–	·18	–	·01	·06	·20	–	–	23
24		·42	–	·16	·04	·81	–	–	·06	·17	–	–	24
25		·56	–	·08	·04	·19	–	–	·04	–	–	·19	25
26		·66	–	·10	·13	–	–	–	·07	·65	–	·02	26
27		·19	–	·02	·02	–	–	–	·02	·09	–	·05	27
28	·01	·15	–	·30	–	–	·06	·22	–	·10	–	·01	28
29	·05	×	·07	–	–	–	·03	·01	–	·01	–	·06	29
30		×	·18	·02	–	–	·18	–	·04	·18	–	·26	30
31	·81	×	·37	×	–	×	·01	–	×	·94	×	–	31 check up
TOTAL	6·58	6·95	4·45	1·00	2·14	4·70	4·11	1·59	1·19	7·76	2·00	1·91	YEAR'S TOTAL 44·38
*Days with ·01 in. or more.	18	22	18	8	16	18	15	17	11	22	12	13	190
*Days with ·04 in. or more.	14	18	15	6	12	14	11	11	9	19	8	5	143

Feby. Unable to reach gauge from 24th to 27th owing to snow drifts.

40-9999

(Signed) J. McWilkinson [P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE. F 66.0552/26

Section **A** for the entry of Daily Observations.

Station No 4228/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

x1/Radnor/1

FORM 1090

REGISTER OF RAINFALL IN 1934.

Kept at Birmingham W.W., Nantgwillt

in the County of Radnor

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

No 2.

1933 Check wp.

1934 check/wp.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·20	–	·04	–	–	–	–	·96	·11	·38	·64	·37	1
2	–	–	·14	–	–	–	–	·80	·31	·01	·20	·63	2
3	·10	–	·04	–	·26	–	–	·12	·34	·65	·24	·43	3
4	·30	–	·52	·19	·17	–	–	·12	·10	·45	·06	·84	4
5	·13	–	·25	·04	·23	–	–	·96	–	·07	·02	·24	5
6	·27	–	·05	·01	·93	·01	–	·07	·03	·30	–	·43	6
7	·56	–	–	–	–	–	–	·06	·01	·15	·12	·88	7
8	–	–	–	–	·09	–	–	·03	·21	·10	·42	·75	8
9	·02	·04	·24	·01	–	–	–	·21	·03	·02	·38	·37	9
10	·48	·01	·33	·28	–	–	–	·53	·01	·15	·02	–	10
11	1·23	–	·11	·81	–	–	·03	·53	–	·01	–	·09	11
12	·05	–	·01	·02	–	–	·05	·24	–	·04	–	·16	12
13	1·40	–	–	·30	–	·02	–	–	–	·19	–	·09	13
14	·22	–	1·08	·04	–	·08	–	–	–	·55	·05	·82	14
15	·23	–	1·13	·02	·45	–	·08	·03	·12	·51	·06	·58	15
16	·62	–	·53	·03	·08	–	–	·02	·32	·14	·07	·09	16
17	·34	–	·54	·55	·22	–	·70	–	·18	·06	–	·66	17
18	·61	–	·05	·31	·02	·15	–	·04	·06	·01	–	·76	18
19	·01	–	·20	–	·03	·23	–	·10	·24	·05	–	·79	19
20	–	–	–	·13	·06	·05	·01	·03	·02	·09	·03	·02	20
21	·01	–	·06	·06	·02	·12	·17	·11	·04	·37	·02	·02	21
22	·02	–	·05	·01	·08	–	–	·27	·50	·37	·01	·30	22
23	–	–	·12	·53	·01	·55	–	·02	·06	·04	·01	·01	23
24	–	·40	·03	·15	–	·07	·01	–	·11	·11	–	–	24
25	·49	·02	–	·25	·07	·01	·01	–	·17	·79	–	1·23	25
26	·08	–	·04	·07	–	·32	·17	–	·44	·06	·12	·50	26
27	·01	–	–	·04	–	·46	·05	·07	·03	·22	·01	·30	27
28	–	–	–	·63	–	·04	·35	·39	·20	·20	·04	·62	28
29	–	X	–	–	–	–	·72	·24	·30	·24	·02	·30	29
30	·02	X	–	–	–	–	·02	·38	·44	·19	–	·51	30
31	·01	X	–	X	–	X	·18	·04	X	·22	X	·58	31
TOTAL	7·41	0·47	5·56	4·48	2·72	2·14	2·55	6·37	4·38	6·74	2·54	13·37	YEAR'S TOTAL 58·70
*Days with ·01 in. or more.	24	4	21	22	15	13	14	25	25	31	20	29	243
*Days with .04 in. or more.	17	2	19	16	11	10	9	20	19	27	12	26	188

check/wp.

40-9999

*See Instruction 2 (*f*) on other side,

OM

(Signed) J. M. Wilkinson M.Inst.C.E. [P.T.O.

Chief Engineer. City of Birmingham Water Dept.

COPY FOR OFFICIAL USE. ✓

Section **A** for the entry of Daily Observations. Station No. 4228/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Birmingham W.W., Nantgwillt No 2.

in the County of Radnor

check ✓p

Diameter of Funnel of Gauge..........in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·23	·07	·20	·05	-	·04	·04	-	·75	·40	·04	·75		1
2	-	·07	·02	-	·01	·02	·01	-	·18	·17	·11	·93		2
3	·08	·38	·11	·33	-	·04	·18	-	·06	·26	·41	·35		3
4	·02	·02	·13	·29	-	·11	·04	-	·30	·20	·04	·20		4
5	·02	·58	·27	·28	-	·07	·11	-	·01	-	·20	·15		5
6	-	-	-	·41	-	·71	-	-	-	-	·04	·25		6
7	-	-	-	·38	-	·61	-	-	-	·38	-	·38		7
8	·02	-	-	·32	-	·03	-	-	-	·51	·22	·36		8
9	·04	·01	-	·94	-	·19	-	-	-	1·19	·12	-		9
10	·04	-	-	1·03	-	·08	-	-	-	·64	·08	-		10
11	·60	·31	-	-	-	·54	-	·02	-	·38	·82	-		11
12	·06	·23	-	-	-	·33	-	·12	·09	·01	·32	-		12
13	·57	·19	-	·10	·03	·02	-	-	1·20	·14	·79	-		13
14	·01	·05	-	·12	·01	·10	-	·01	·58	·01	·89	·30		14
15	-	1·19	-	·70	·10	·04	-	·08	·14	·15	·66	·30		15
16	-	·51	·01	·35	·10	·02	·13	·01	1·88	·32	·52	·87		16
17	-	·03	-	·55	·52	·14	·09	·13	·46	·02	·68	-		17
18	-	·07	-	·51	·06	·11	-	·22	·98	·45	·09	-		18
19	-	·32	-	·05	·49	·55	·25	-	·26	·45	·40	-		19
20	-	1·08	-	·42	·34	·10	·10	-	·01	·01	·82	-		20
21	-	1·07	·01	·23	-	-	-	-	·19	·17	·16	-		21
22	-	·05	·11	·09	-	-	-	-	·30	·04	-	-		22
23	·06	·10	1·19	·50	-	·03	-	·03	·26	·26	-	·13		23
24	·77	1·04	·06	-	-	-	-	-	1·32	·17	-	·20		24
25	·95	·13	·03	·07	-	·73	-	-	-	·01	·05	·18		25
26	·02	·17	·01	-	-	·02	·01	·96	·32	·06	·15	·25		26
27	-	·18	-	-	·03	·02	·26	·07	1·09	1·48	·48	·02		27
28	·08	·10	-	-	·03	-	-	·31	·22	1·03	·22	·02		28
29	·01	×	-	-	-	-	-	·04	·32	·24	·70	·67		29
30	·04	×	-	·10	-	·16	-	·04	·47	·78	1·18	·40		30
31	·01	×	-	×	·33	×	-	·01	×	·57	×	·27		31
TOTAL	3·63	7·95	2·15	7·82	2·05	4·81	1·22	2·05	11·39 ✓	10·50	10·19	6·98 ✓	Year's Total ✓ 70·74	np.
*Days with ·01 in. or more.	19	24	12	22	12	25	11	14	23	29	26	20	237	
*Days with ·04 in. or more.	12	21	7	22	7	18	9	9	21	24	26	18	194	

40-9999
*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) J. M. Wilkinson M.Inst.C.E.
Chief Engineer.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4228/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Birmingham W.W., Nantgwillt

in the County of Radnor

No 2

W.P. check gauge

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·36	·27	·02	·33	-	·42	·05	·04	·04	-	·18	·95		1
2	·03	·06	-	·13	-	·32	·02	·06	·24	-	·08	·44		2
3	·08	·06	·02	-	-	·09	-	·11	·44	-	·01	·20		3
4	·15	-	·23	-	-	·16	-	·08	·91	-	·83	·49		4
5	·58	·05	·40	-	·08	-	·06	·22	·38	-	·04	·89		5
6	·46	-	·02	-	-	·02	·22	·05	·13	-	·95	·08		6
7	·06	-	·14	-	-	-	·10	-	1·06	-	·77	·14		7
8	·60	-	·23	-	-	-	·35	-	·15	-	1·23	·13		8
9	1·50	-	·02	-	-	·02	1·04	-	·13	·02	·40	-		9
10	·11	·12	-	-	-	·01	·16	-	-	-	·10	-		10
11	-	·03	-	·04	·01	·10	·12	·06	·14	-	1·02	·05		11
12	-	-	-	·03	·07	·16	·90	·03	·35	·06	·08	·43		12
13	-	·01	-	·11	·04	·04	·05	-	-	·38	·16	2·42		13
14	-	-	-	·10	-	·22	·15	-	·32	·17	·08	1·26		14
15	·03	·03	-	·08	·68	·03	·06	·01	-	-	·50	·56		15
16	·07	·05	·01	·32	·41	·03	·06	-	-	·01	·59	·15		16
17	·34	1·10	-	·02	·15	·05	·96	-	-	·54	·13	·75		17
18	-	·45	-	·02	-	-	1·20	·08	-	·55	-	·21		18
19	·62	·04	·12	·42	-	·27	·08	·10	-	·36	-	·01		19
20	·29	·24	·16	-	-	1·14	·01	·03	-	·03	-	·09		20
21	·08	-	·02	1·02	-	1·48	-	-	-	·06	-	·06		21
22	·15	·18	·59	·01	·14	·02	·42	-	-	·02	-	·10		22
23	·03	·35	·16	·25	·03	·01	·42	-	-	·13	-	·01		23
24	·30	·02	-	·05	·05	-	·02	-	·19	·72	·01	-		24
25	·28	·01	·09	1·24	-	-	·26	-	·36	·49	-	·01		25
26	·90	·19	·40	·01	-	-	·13	-	·01	·27	·03	-		26
27	·39	·17	·08	-	-	-	·05	-	·13	·40	-	-		27
28	·45	·11	·34	·01	-	·90	·21	-	-	·02	·02	·17		28
29	·11	·11	·59	-	·12	·89	·04	-	-	·04	·15	·30		29
30	·07	×	·03	-	·08	·19	·31	-	-	1·08	·10	·09		30
31	·66	×	·21	×	·48	×	·14	-	×	-	×	·94		31
TOTAL	8·70	3·65	3·88	4·19	2·34	6·57	7·59	·87	4·98	5·35	7·46	10·93	Year's Total. 66·51	
* Days with .01 in. or more.	26	21	21	18	13	22	28	12	16	19	22	26	244	
* Days with .04 in. or more.	23	16	14	12	11	15	25	9	15	14	18	23	195	

W.P. checked

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) J. M. Wilkinson

[P.T.O.]

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4228/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Birmingham W.W., Nantgwillt N°2

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·27	·20	·02	·05	–	–	·07	–	·28	·16	–	·22		1
2	·34	·65	·03	·08	–	–	–	–	·02	–	–	·69		2
3	·05	·80	–	–	·32	·11	·13	–	·05	–	–	·02		3
4	·52	·28	–	·11	·14	·03	·01	·11	–	–	–	1·50		4
5	1·57	–	·09	·04	–	–	·09	–	–	–	–	·17		5
6	·94	·09	·25	·28	·15	·04	·01	·01	·03	–	·03	–		6
7	–	·76	·11	·24	–	·11	–	–	·14	–	–	–		7
8	–	·41	–	–	·12	·13	·09	–	·02	·05	·25	–		8
9	·03	·08	–	·23	·03	·07	·29	·01	·42	–	–	–		9
10	·19	·16	·11	·03	–	·06	–	–	·02	–	–	·54		10
11	·18	·01	·59	·03	·18	·30	·16	·04	–	–	–	·12		11
12	1·15	·29	·17	·01	·01	·38	·03	·01	·25	–	·01	·37		12
13	·28	·04	·15	·45	–	·08	–	·04	·23	–	–	·43		13
14	–	·08	·12	·09	–	–	–	·01	·17	–	·03	·12		14
15	·90	·47	·08	·42	–	–	·51	–	·33	–	·01	·38		15
16	·23	·55	·75	1·26	–	–	·01	·29	·12	–	–	–		16
17	·55	·23	·53	·38	–	–	–	–	1·05	–	·02	–		17
18	·62	·23	·41	–	–	·09	·06	·06	·06	–	·16	·12		18
19	·06	·39	·12	·29	·03	·05	·26	–	·01	–	·22	·02		19
20	·56	·57	·20	·90	·02	·02	·01	–	–	–	–	·13		20
21	·50	·42	·05	·50	·16	–	·43	–	·01	·15	–	·10		21
22	·37	·11	·05	·05	·35	–	·76	–	·05	·48	·30	·36		22
23	·10	·24	·02	–	·58	–	·04	–	–	·58	·21	·03		23
24	·60	·45	·34	–	·04	–	·05	–	·06	·48	–	·12		24
25	–	·60	–	–	·01	–	·01	–	·03	·25	–	·03		25
26	–	·65	·11	–	·15	–	–	–	–	·03	–	·01		26
27	–	·88	–	·02	·02	–	–	–	–	·72	–	–		27
28	–	·43	–	–	–	·10	–	–	–	·03	–	·01		28
29	·02	×	–	–	–	·05	–	–	–	1·09	·15	–		29
30	·36	×	–	–	–	·15	–	·60	·15	·13	·33	–		30
31	·44	×	–	×	–	×	–	·05	×	·48	×	–		31
TOTAL	10·83	10·07	4·30	5·46	2·31	1·77	3·02	1·23	3·50	4·63	1·72	5·49	Year's Total 54·33	
* Days with .01 in. or more.	24	27	21	20	16	16	19	11	21	13	12	21	221	
* Days with .04 in. or more.	22	26	18	16	10	14	13	7	14	11	7	15	173	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) J M Wilkinson [P.T.O.

M.Inst.C.E.

COPY FOR OFFICIAL USE

Sec[illegible] **A** for the entry of Daily Observations

Station No. 4228/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Lp 34-37

Kept at ~~Birmingham W.W., Nantgwillt~~ No. 2

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

" Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

660552/26

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	·15	·02	-	-	1·36	-	·21	-	·34	·08	·43		1
2	-	·25	-	·36	·07	·45	·25	·01	-	·33	·10	·18		2
3	-	-	-	·05	·07	·05	·30	-	·01	1·33	·05	·01		3
4	·02	-	·01	·03	-	·03	·77	·45	-	·65	·15	·59		4
5	·04	·01	-	·06	-	·07	·12	·04	·09	·72	·02	·20		5
6	·38	·02	-	-	-	·60	·80	-	·32	·99	·04	·47		6
7	·41	-	·01	-	-	·	·25	·34	·05	·35	-	·11		7
8	·28	·02	-	-	-	·	·34	·10	-	·96	-	·29		8
9	·49	·35	·07	-	-	·34	·06	·23	-	·06	-	·82		9
10	·17	·03	-	-	-	·07	·77	·27	-	·27	-	·59		10
11	1·03	·18	-	-	-	·04	·04	·01	·01	·16	·57	·34		11
12	·57	·02	-	-	·32	·04	·01	-	-	·56	2·09	·11		12
13	·04	-	-	-	·13	·	-	-	·05	·11	·36	·37		13
14	1·70	-	-	-	·16	·	·15	-	·05	-	·03	·01		14
15	·45	-	·07	-	1·06	·	·01	·06	-	·02	·11	·79		15
16	·68	-	·05	-	·01	·	-	·04	-	·14	·10	·02		16
17	-	·02	-	-	-	·	·04	-	·20	·36	·01	·04		17
18	·29	-	-	-	-	·02	-	·55	·08	·10	·74	·		18
19	·27	-	-	-	-	·	-	·25	·06	-	·51	·		19
20	·20	-	·17	-	-	·	-	·10	·06	-	·35	·01		20
21	·01	-	·01	-	-	·	-	·29	·07	-	·21	·01		21
22	·03	-	-	·06	·01	·17	-	·08	-	·03	·54	·01		22
23	·04	-	-	·06	·10	·06	-	·02	·09	-	·27	·		23
24	·32	·11	·34	·03	·11	·09	·01	·19	·02	·04	·17	·		24
25	·16	·31	·04	-	·08	·03	·26	·13	-	·41	1·81	·06		25
26	·67	1·70	·29	-	·30	·65	·01	-	-	·43	·06	·05		26
27	·78	·43	·07	-	·67	·23	·75	·20	·15	·05	·65	-		27
28	·56	·46	·02	-	·01	·86	·17	·04	·08	-	·21	·01		28
29	·49	X	·04	-	·80	·02	·19	-	·04	·10	·24	·51		29
30	·20	X	-	-	·06	·40	·11	-	·32	·01	·59	·46		30
31	·42	X	-	X	·40	X	·02	·06	X	·50	X	·68		31
TOTAL	10·50	4·06	1·21	0·65	4·36	5·58	5·43	3·67	1·75	9·02	10·06	7·17	Year's Total 63·46	
* Days with .01 in. or more.	27	15	14	7	17	20	22	22	18	25	26	26	239	
* Days with .04 in. or more.	24	9	9	5	14	16	17	19	15	22	23	19	192	

Lp check

GB 27/4/39

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) J. M. Wilkinson

M. Inst. C. E.

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4228/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Birmingham W.W., Nantgwillt No 2.

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.

VALUE FOR ... 66·55 2/26

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·07	-	·92	·47	·06	-	-	·14	-	·02	·04	·42		1
2	·03	-	·14	·02	-	-	·01	·48	·23	-	·10	·16		2
3	·24	-	·27	·50	-	-	·01	·10	·02	-	·04	·89		3
4	·08	-	·45	·64	·50	-	·47	-	·01	·21	·34	·96		4
5	-	-	·01	·20	·01	-	·26	-	-	·20	·73	·02		5
6	·70	·03	·18	-	-	-	1·24	·07	-	·01	·36	-		6
7	·15	·19	·11	-	-	-	·50	·09	-	-	·71	·59		7
8	·29	·79	·56	-	·10	-	·51	·05	-	·51	1·05	·08		8
9	·13	·47	·01	-	-	-	·01	·60	·03	·17	·05	·55		9
10	1·11	·01	·01	-	-	·03	-	·09	·20	·08	·01	1·14		10
11	·07	·15	·19	-	-	·02	-	·03	-	·13	-	·01		11
12	·30	·16	-	·21	-	·02	-	-	·21	·06	·02	-		12
13	-	·11	-	·61	·05	·01	·43	-	·04	·01	·11	-		13
14	1·42	·01	·01	·24	·17	·21	·10	-	·01	·05	·45	-		14
15	·75	·09	·03	·33	·11	·64	·32	-	-	·01	·25	-		15
16	·57	·01	·05	·08	·13	·18	·07	-	-	-	·85	-		16
17	·93	·26	-	·10	·01	·39	·03	-	-	·06	·21	-		17
18	·52	·19	·02	-	-	·12	·63	-	-	·01	1·21	-		18
19	·29	·02	·01	-	-	-	·29	·20	-	-	·02	-		19
20	·30	·03	·01	-	·01	-	·19	·29	-	-	-	·02		20
21	·15	·63	·49	·30	·13	·25	·28	·35	·03	-	-	-		21
22	·93	1·44	·48	·17	·02	·19	·10	-	-	-	1·18	-		22
23	·72	·65	·03	·60	-	·05	·45	-	-	·42	·48	-		23
24	·20	·14	·03	·11	-	·09	·06	-	-	·27	·02	-		24
25	·38	·38	·02	·02	-	·04	·15	-	-	·25	2·45	·05		25
26	·03	·22	-	·05	-	-	-	·21	-	·07	·84	·01		26
27	-	·74	·06	-	-	·33	·17	·40	-	-	·36	·05		27
28	·01	·81	·07	·05	-	·42	·86	·05	-	-	·60	·06		28
29	-	X	-	·11	-	·06	1·56	-	-	·05	1·13	-		29
30	-	✕	-	·08	-	·11	·22	-	-	·02	·16	·27		30
31	-	✕	-	✕	-	✕	·06	·11	✕	·16	✕	·02		31
													Year's Total	
TOTAL	10·37	7·53	4·16	4·89	1·30	3·16	8·98	3·26	0·78	3·37	13·77	5·30	66·87	
* Days with .01 in. or more.	25	23	24	20	12	18	26	16	9	21	27	17	238	
* Days with .04 in. or more.	22	17	13	18	8	14	22	15	4	15	23	12	183	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) J. W. Wilkinson [P.T.O.

aaB

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4228/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

WP 1939

660552/26

Kept at Birmingham W.W., Nantgwillt No 2.

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	-	-	·18	·17	-	-	-	-	-	·76	·01		1
2	-	·01	-	·20	-	-	·13	-	-	-	2·86	·13		2
3	-	·48	-	·22	-	-	·05	-	-	·05	·85	·12		3
4	-	·11	-	·06	-	-	·02	-	-	·16	·30	·19		4
5	-	·02	-	-	·04	-	·07	-	·01	1·16	·95	·48		5
6	·19	·46	-	-	-	-	·06	-	-	·85	·07	·35		6
7	·05	·46	-	·03	·03	-	·18	-	·17	·60	·01	·25		7
8	-	·01	-	-	-	-	·12	·01	·01	·62	·14	·49		8
9	-	-	-	·04	-	-	·86	·20	·25	·68	·96	·65		9
10	-	-	·10	-	-	-	·08	·11	·13	·26	·25	·74		10
11	-	·01	·03	·07	-	-	2·02	-	-	-	1·94	·31		11
12	-	-	·38	-	-	·06	·42	·01	·39	-	·53	·01		12
13	-	·01	·17	·01	-	-	·10	·08	·21	-	·14	·33		13
14	-	·05	·06	·40	-	-	·08	·05	·22	·50	·33	·72		14
15	·01	-	·15	·11	·94	·03	·01	-	·10	·43	·47	·12		15
16	·01	·32	·23	·02	-	-	·29	-	·99	·17	·69	·11		16
17	·02	·01	·45	-	-	-	·26	-	·27	-	·20	·01		17
18	·32	·62	·92	·28	-	-	·02	·21	·23	·01	·02	·35		18
19	·02	·15	·36	·23	-	-	·43	-	·04	-	·32	·01		19
20	-	-	·02	·28	-	-	·55	·24	-	·21	·09	-		20
21	-	-	·05	·01	·17	·25	·06	·02	-	-	1·62	-		21
22	-	·03	·06	·09	·02	·08	-	·07	·10	-	·02	-		22
23	-	·10	·12	·16	·13	·02	·03	-	·17	-	·09	-		23
24	·06	·01	·04	-	·13	-	·04	·01	-	-	·01	-		24
25	·08	-	-	·10	·26	·03	-	-	-	-	·01	·01		25
26	1·51	·48	-	-	·17	-	·12	·13	-	-	·14	-		26
27	·75	·65	-	·79	·03	-	·22	-	-	-	·17	·01		27
28	·20	·13	-	·23	·21	-	-	·06	-	-	·01	·02		28
29	·03	-	·59	·10	-	·08	·05	-	-	·01	-	·71		29
30	-	✕	·04	·74	·04	-	-	-	-	·71	-	·17		30
31	·07	✕	·56	✕	·06	✕	-	-	✕	1·19	✕	·05		31
TOTAL	3·32	4·12	4·33	4·35	2·40	0·55	6·27	1·20	3·29	7·61	13·95	6·35	Year's Total 57·74	np check
* Days with .01 in. or more.	14	20	18	22	14	7	25	13	15	16	28	25	217	SH.
* Days with .04 in. or more.	9	12	16	18	11	4	21	9	13	14	22	18	167	

* See Instruction 3 (f) on other side.

0

† Spare column, no entries required.

(*Signed*) aat Barnes
a/ CHIEF ENGINEER.

P.T.O.

4229

DWFNANT

1931—40

780803

FORM 1090. **B** Month
Summ

4229

*** The following register of monthly to
&c., is NOT required if daily or w
values are given on the other side.

also the space for

should be sent:—
ief Engineer,
Birmingham.

RAINFALL IN 1931

At DWFNANT

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft* 0
Height of Ground above Sea Level 105

Month.	Total Depth.	Greatest Fall in 24 hours.		Numbe Days w	
				·01 in or more	·0 or
	Inches.	Inches.	Date.	*	
JAN.	8·70				
FEB.	7·80				
MAR.	2·00				
APRIL	6·40				
MAY	6·60				
JUNE	4·00				
JULY	5·90				
AUG.	5·90				
SEPT.	9·30				
OCT.	2·90				
NOV.	10·80				
DEC.	4·60				
Total	68·90				

Signature J.M.McKinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

ummer
Direction from
gauge
Direction from
gauge

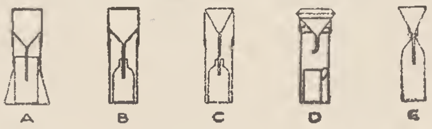
gauge ..

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}$ ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Month Summary.

4229

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At DWFNANT

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1050 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	8·70				
FEB.	7·80				
MAR.	2·00				
APRIL	6·40				
MAY	6·60				
JUNE	4·00				
JULY	5·90				
AUG.	5·90				
SEPT.	3·30				
OCT.	2·90				
NOV.	10·80				
DEC.	4·60				
Total	68·90				

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— J. W. Wilkinson M. Inst. C.E., Chief Engineer, Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

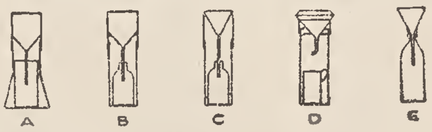
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4229

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932.

At DWFNANT.

In the County of RADNOR.

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* 0 *in.*
- *Height of Ground above Sea Level* 1050 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	(10.41)				
FEB.	0.30				
MAR.	5.00				
APRIL	6.30				
MAY	5.90				
JUNE	2.40				
JULY	5.70				
AUG.	(1.56)				
SEPT.	(6.26)				
OCT.	(13.13)				
NOV.	(6.20)				
DEC.	4.60				
Total	(67.76)				

Signature J W Wilkinson

Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E., Chief Engineer.
Water Dept. Council House Birmingham.

Hour of observation by the clock—in Winter........ in Summer........

Nearest Railway Station........ Distance........ Direction from gauge ....

Nearest Parish Church at........ Distance........ Direction from gauge ....

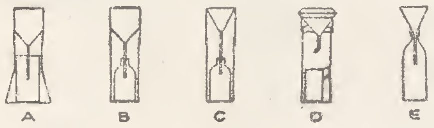
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

This gauge is being examined as its record seems unreliable when compared with surrounding gauges.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4229

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Birmingham W.W., Dulgwant

In the County of Radnor

Rain Gauge
- Diameter of Funnel..................in.
- *Height of Top above Ground*..........*ft*..........*in.*
- *Height of Ground above Sea Level*..........*ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	6·60				
FEB.	6·70				
MAR.	4·70 ✓				
APRIL	0·90 ✓				
MAY	2·10 ✓				
JUNE	4·60				
(4.85) ✓ JULY	~~4·40~~ ✓				
AUG.	1·80 ✓				
SEPT.	1·45 ✓				
(8·50) ✓ OCT.	~~7·70~~ ✓				
NOV.	2·10 ✓				
DEC.	1·60 ✓				
(45·90) Total	~~44·65~~ ✓				

Signature J. McKinnon

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C. B. W. D.
6 JAN 1934
CHIEF ENGINEER'S OFFICE.

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

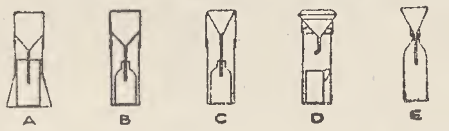
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Coord. by Obs. 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4229

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Dwrgnant

In the County of Radnor

Rain Gauge
- Diameter of Funnel............in.
- *Height of Top above Ground* ......*ft* ......*in*.
- *Height of Ground above Sea Level* ......*ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
(8·71) Jan. ?	7·00 ✓				
Feb.	0·50 ✓				
Mar.	5·55 ✓				
April	5·05 ✓				
May	4·10 ✓				
(2·53) June	2·20				
(3·12) July	2·60 ✓				
Aug.	7·25 ✓				
(5·67) Sept.	5·40 ✓				
(8·55) Oct.	7·50 ✓				
Nov.	2·85 ✓				
(14·51) Dec.	13·85 ✓				
(68·39) Total	~~63·85~~ ✓				

Signature J. M. Wilkinson M.Inst.C.E.
Chief Engineer
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

107% check

Return values in brackets

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is **not** to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4229

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Birmingham W.W. Dwrfrant

In the County of Radnor

Rain Gauge

Diameter of Funnel.................in.

Height of Top above Ground..........*ft*..........*in.*

Height of Ground above Sea Level..........*ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	4·70				
FEB.	8·85				
MAR.	2·45				
APRIL	7·70				
MAY	1·80				
JUNE	5·80				
JULY	1·40				
AUG.	2·50				
SEPT.	10·10 ✓				
OCT.	11·00				
NOV.	10·50				
DEC.	6·15 ✓				
Total	72·95 ✓				

Signature J. M. Wilkinson

M. Inst. C.E.
Chief Engineer.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station..........Distance..........Direction from gauge..........

Nearest Parish Church at..........Distance..........Direction from gauge..........

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move..........Distance..........Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4229

FORM 1090. **B** Monthly Summary.

* * The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Birmingham W.W., Dwfnant

In the County of Radnor

Rain Gauge
Diameter of Funnel.................in.
Height of Top above Ground.........ft.........in.
Height of Ground above Sea Level.........ft.

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
		Inches	Inches	Date	·01 in. or more *	·04 in. or more *
	JAN.	8·20				
	FEB.	3·65				
	MAR.	4·00				
	APRIL	3·80				
	MAY	2·80				
	JUNE	6·90				
	JULY	8·50				
1·35	AUG.	~~·40~~				
5·90	SEPT.	~~5·70~~				
5·90	OCT.	~~5·50~~				
8·50	NOV.	~~8·30~~				
12·00	DEC.	~~10·40~~				
71·50	Total	~~68·65~~				

Signature J. W. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................. Distance................. Direction from gauge.................

Nearest Parish Church at................. Distance................. Direction from gauge.................

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move................. Distance................. Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Leak discovered January 20th 1937.

Corrd. by obsr.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\ \cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4229

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W. Dwyfnant

In the County of Radnor

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft............in.*
- *Height of Ground above Sea Level...............ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	(11·85) ~~10·00~~				
FEB.	11·00				
MAR.	4·60				
APRIL	6·40				
MAY	2·40				
JUNE	(2·10) ~~1·85~~				
JULY	3·20				
AUG.	1·10				
SEPT.	(3·95) ~~3·55~~				
OCT.	5·20				
NOV.	1·90				
DEC.	6·20				
TOTAL	59·90 ~~57·40~~				

Signature J M Wilkinson

M. Inst. C.E.

*See Instruction 2 (*f*) below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C. B. W. D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........................in Summer..........................

Nearest Railway Station.......................... Distance.................. Direction from gauge..................

Nearest Parish Church at.......................... Distance.................. Direction from gauge..................

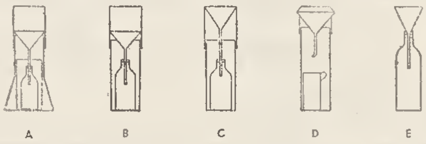
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

- (*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
  9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.
- (*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.
- (*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*
- (*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1690 15,000 2/35 W. H. & S. 668/91.

4229

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Dwgnant...

In the County of Radnor...

Rain Gauge
- Diameter of Funnel.....................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level.................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11.20				
FEB.	4.35				
MAR.	1.70				
APRIL	0.80				
MAY	4.20				
JUNE	6.45				
JULY	6.50				
AUG.	3.90				
SEPT.	2.35				
OCT.	9.95				
NOV.	10.50				
DEC.	8.70				
TOTAL	70·60				

Signature J. W. Wilkinson. M.Inst.C.E.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

CF

31 JAN 1939

CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter.....................in Summer.....................

Nearest Railway Station.............................. Distance.............. Direction from gauge..............

Nearest Parish Church at.............................. Distance.............. Direction from gauge..............

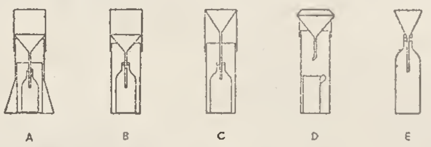
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.............................. Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4229

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Dugnant

In the County of Radnor

Rain Gauge
- Diameter of Funnel.........in.
- *Height of Top above Ground.........ft.........in.*
- *Height of Ground above Sea Level.........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·60				
FEB.	8·70	✓			
MAR.	4·70	✓			
APRIL	4·80	✓			
MAY	1·25	✓			
JUNE	3·60	✓			
JULY	10·20	✓			
AUG.	3·40	✓			
SEPT.	1·00	✓			
OCT.	3·90	✓			
NOV.	16·10	✓			
DEC.	5·70				
TOTAL	74·95	✓			

Signature J. W. Wilkinson. — aaB.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
- 9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.........in Summer.........

Nearest Railway Station......... Distance......... Direction from gauge.........

Nearest Parish Church at......... Distance......... Direction from gauge.........

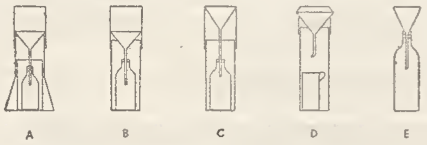
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move......... Distance......... Direction.........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 663/91
S.O. Code No. 40-9999

4229

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940.

At Birmingham W.W., Dwfnant

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.......ft.........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·90	✓			
FEB.	4·90	✓			
MAR.	4·90	✓			
APRIL	3·90	✓			
MAY	2·15	✓			
JUNE	0·45	✓			
JULY	7·70	✓			
AUG.	1·55	✓			
SEPT.	4·20	✓			
OCT.	8·60	✓			
NOV.	14·50	✓			
DEC.	6·80	✓			
TOTAL	63·55	✓			

Signature A A Barnes.

o/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C. B. W. D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

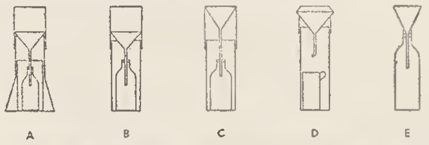
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is **10 a.m.** *by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91 S.O. Code No. 40-9999

FORM 1090. **B** Month
Summ

4230

. The following register of monthly t
&c., is NOT required if daily or w
values are given on the other side.

also the space for

r should be sent:—
Chief Engineer,
Birmingham.

4230

ESGAIR GADIR No 2

1931 —— 40

780803

RAINFALL IN 1931

At ESGAIR GADER No. 2

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.* 0
Height of Ground above Sea Level 150

Summer
Direction from gauge
Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Numb Days ·01 in or more	
	Inches.	Inches.	Date.	*	
JAN.	11·20				
FEB.	(9·05)				
MAR.	1·70				
APRIL	7·50				
MAY	6·30				
JUNE	4·60				
JULY	7·20				
AUG.	6·30				
SEPT.	3·80				
OCT.	3·80				
NOV.	10·80				
DEC.	5·60				
Total	(77·85)				

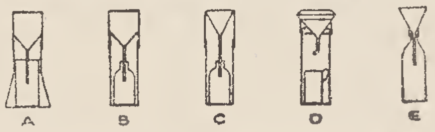
gauge ..

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Signature J. M. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent
Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Month
Summ

4230

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At ESGAIR GADER No. 2

In the County of RADNOR

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	11·20				
FEB.	(9·05)				
MAR.	1·70				
APRIL	7·50				
MAY	6·30				
JUNE	4·60				
JULY	7·20				
AUG.	6·90				
SEPT.	3·80				
OCT.	3·80				
NOV.	10·80				
DEC.	5·60				
Total	(77·85)				

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E., Chief Engineer,
Water Dept., Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

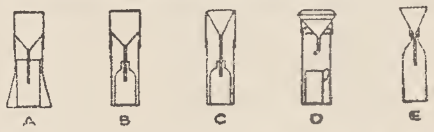
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

4230

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At ESGAIR GADER No. 2

In the County of RADNOR

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	9.40				
FEB.	0.30				
MAR.	5.30				
APRIL	6.90				
MAY	(6.00)				
JUNE	2.20				
JULY	6.60				
AUG.	1.50				
SEPT.	6.85				
OCT.	14.10				
NOV.	7.00				
DEC.	4.10				
Total	(70.25)				

Signature J. W. Wilkinson

Chief Engineer.

City of Birmingham Water Dept

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

J. W. Wilkinson. M. Inst. C. E, Chief Engineer.

Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

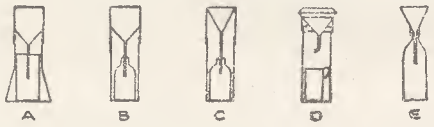
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4230

FORM 1090. **B** Monthly Summary.

C Particulars of Station.

***** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
-6 JAN 1934
CHIEF ENGINEER'S OFFICE

RAINFALL IN 1933

At Birmingham W.W., Esgair Gader No 2

In the County of Radnor

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

Rain Gauge
- Diameter of Funnel............in.
- *Height of Top above Ground............ft............in.*
- *Height of Ground above Sea Level............ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7.70				
FEB.	7.10✓				
MAR.	4.25✓				
APRIL	1.45✓				
MAY	2.20✓				
JUNE	4.65				
JULY	5 3.80✓				
AUG.	2.35✓				
SEPT.	1.80✓				
OCT.	8.90	✓			
NOV.	2.45✓				
DEC.	1.30✓				
Total	49.95✓				

Signature J. M. Wilkinson

M

*See Instruction 2 (*f*) below.

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4230

FORM 1090. **B** Monthly Summary.

***** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1934

At Birmingham W.W., Engine Gader 2

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground..........ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	inches	Inches	Date.	*	*
JAN.	8·90 ✓				
FEB.	0·70 ✓				
MAR.	6·70 ✓				
APRIL	5·45 ✓				
MAY	4·10 ✓				
JUNE	2·95 ✓				
JULY	3·60 ✓				
AUG.	8·70 ✓				
SEPT.	5·70 ✓				
(9·30) OCT.	10·20 ✓				
NOV.	3·60 ✓				
DEC.	14·40 ✓				
(74·10) Total	~~75·00~~ ✓				

Signature J. M. Wilkinson M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

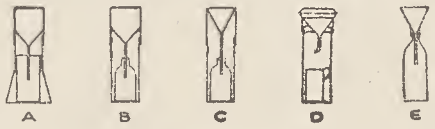
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

1072 sheets

Oct & Year not to be in brackets

Oct to be marked * with footnote

* Monthly value adjusted by Mr Wilkinson

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4230

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

No 2.

At Birmingham W.W., Esgair Gader

In the County of Radnor

Rain Gauge:
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in*.
Height of Ground above Sea Level .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·90				
FEB.	9·00				
MAR.	2·00				
APRIL	6·90				
MAY	2·00				
JUNE	6·00				
JULY	2·20				
AUG.	3·00				
SEPT.	~~10·10~~	✓ 10·60			
OCT.	12·60				
NOV.	10·10				
DEC.	6·20	✓			
Total	~~76·60~~	✓ 77·10			

Signature J M Wilkinson
M. Inst. C.E.
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

C. B. W. D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

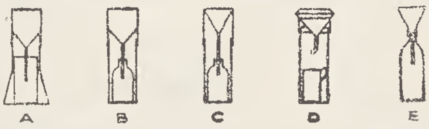
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4230

FORM 1090.

B Monthly Summary.

**The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Birmingham W.W., Esgair Gader 2

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
					·01 in or more	·04 in. or more
		Inches	Inches	Date	*	*
	JAN.	8·50				
	FEB.	4·00				
	MAR.	4·40				
	APRIL	4·10				
	MAY	2·90				
	JUNE	6·70				
	JULY	8·50				
	AUG.	1·50				
	SEPT.	6·60				
	OCT.	6·30				
8·60	NOV.	~~7·90~~				
12·90	DEC.	~~10·20~~				
75·00	Total	~~71·60~~				

Signature J. M. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

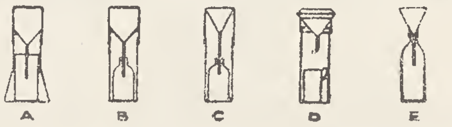
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Gauge is being examined for leak.

Corrd. by obsr.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4230

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Birmingham W.W., Esgair Gader 2.

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground*.......*ft*..........*in.*
- *Height of Ground above Sea Level*..........*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12.20 ~~10.20~~				
FEB.	10.50				
MAR.	4.20				
APRIL	7.35				
MAY	2.15				
JUNE	2.55				
JULY	3.80				
AUG.	0.85				
SEPT.	4.30				
OCT.	5.10				
NOV.	2.15				
DEC.	8.00				
TOTAL	63.75 ~~61.75~~				

Signature J. M. Wilkinson

M. Inst. C.E.

*See Instruction 2 (*f*) below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

C. E. W. D.
27 [illegible]
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

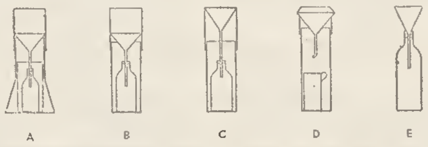
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

- (*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
  9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.
- (*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.
- (*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.
- (*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4230

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Esgair Gader 2

In the County of Radnor

Rain Gauge { Diameter of Funnel......in.

Height of Top above Ground......ft......in.

Height of Ground above Sea Level......ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	✓ 11.00				
FEB.	4.60 ✓				
MAR.	2.45 ✓				
APRIL	1.25 ✓				
MAY	4.15 ✓				
JUNE	6.00 ✓				
JULY	7.00 ✓				
AUG.	4.60 ✓				
SEPT.	2.90 ✓				
OCT.	~~9.45~~	(10.40)			
NOV.	~~10.00~~	(10.65)			
DEC.	8.85				
TOTAL	~~72.25~~	(73.85)			

Signature J. W. McKinnon M.Inst.C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

C.B.W.D.
31 JAN 1939
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter......in Summer......

Nearest Railway Station...... Distance...... Direction from gauge......

Nearest Parish Church at...... Distance...... Direction from gauge......

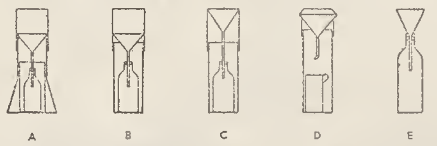
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move...... Distance...... Direction......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

estimations OK R

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4230

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Esgair Gader 2.

In the County of Radnor

Rain Gauge
Diameter of Funnel.........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·20				
FEB.	9·20 ✓				
MAR.	4·80 ✓				
APRIL	5·10 ✓				
MAY	1·35 ✓				
JUNE	3·60 ✓				
JULY	9·55 ✓				
AUG.	4·10 ✓				
SEPT.	1·30 ✓				
OCT.	4·10 ✓				
NOV.	16·30				
DEC.	6·15				
TOTAL	76·65				

Signature J. W. Wilkinson

ACB

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
-9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter........................in Summer..................

Nearest Railway Station.................................. Distance.................. Direction from gauge.............

Nearest Parish Church at................................ Distance.................. Direction from gauge.............

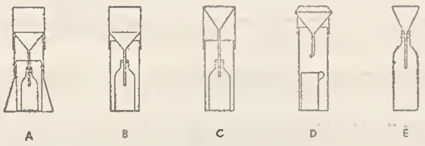
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance............... Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 638/91
S.O. Code No. 40-9999

4230

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Birmingham W.W., Esgair Lader, L.

In the County of Radnor ✓

Rain Gauge { Diameter of Funnel.......................in.
Height of Top above Ground.........ft..............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·60 ✓				
FEB.	4·70 ✓				
MAR.	5·10 ✓				
APRIL	3·40 ✓				
MAY	2·20 ✓				
JUNE	0·50 ✓				
JULY	9·15 ✓				
AUG.	2·30 ✓				
SEPT.	4·90 ✓				
OCT.	8·80 ✓				
NOV.	15·90 ✓				
DEC.	7·00 ✓				
TOTAL	67·55 ✓				

Signature A A Barnes
of CHIEF ENGINEER.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.E.W.D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent:—
....
....

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.............................. Distance.................. Direction from gauge............

Nearest Parish Church at.............................. Distance.................. Direction from gauge............

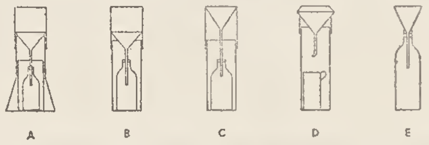
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) The rain-gauge should be visited every morning without exception. When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction. An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) The total rainfall for the month is found by addition. The addition should always be done a second time as a check. The check is of special importance when the total has already been found in another copy of the register.

(f) The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91 S.O. Code No. 40-9999

FORM 1090. **B** Mo
Su

4231

4231

TYN-Y-LLIDIART
1931 — 40

780803

*** The following register of mont
&c., is NOT required if daily
values are given on the other s

and also the space for

gister should be sent:—
Chief Engineer
Birmingham

RAINFALL IN 1931

At TYN-Y-LLIDIART

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft*
Height of Ground above Sea Level

....in Summer

Direction from gauge

Direction from gauge

gauge ..

Month.	Total Depth.	Greatest Fall in 24 hours.		N D ·0 or	
	Inches.	Inches.	Date.		
JAN.	10.10				
FEB.	8.80				
MAR.	1.30				
APRIL	5.50				
MAY	5.80				
JUNE	3.85				
JULY	5.10				
AUG.	5.60				
SEPT.	3.30				
OCT.	3.10				
NOV.	10.80				
DEC.	4.60				
Total	67.85				

Signature JMWilkinson
Chief Engineer.
City of Birmingham Water Dept.
M

*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** M St

4231

** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At TYN-Y-LLIDIART

In the County of RADNOR

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1006 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more*	Number of Days with ·04 in. or more*
	Inches.	Inches.	Date.		
JAN.	10.10				
FEB.	8.80				
MAR.	1.30				
APRIL	5.50				
MAY	5.80				
JUNE	3.85				
JULY	5.10				
AUG.	5.60				
SEPT.	3.30				
OCT.	3.10				
NOV.	10.80				
DEC.	4.60				
Total	67.85				

Signature J W Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E. Chief Engineer
Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

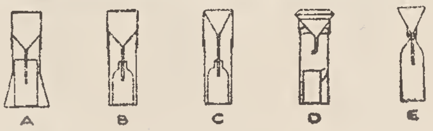
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Monthly Summary.

C Particulars of Station.

4231

***,** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932

At TYN-Y-LLIDIART.

In the County of RADNOR.

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1006 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	10·95				
FEB.	0·20				
MAR.	(4·81)				
APRIL	7·10				
MAY	5·45				
JUNE	1·84				
JULY	6·25				
AUG.	1·70				
SEPT.	5·79				
OCT.	(12·26)				
NOV.	(6·52)				
DEC.	4·30				
Total	(67·11)				

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— J. W. Wilkinson. M. Inst. C. E., Chief Engineer. Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer —

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

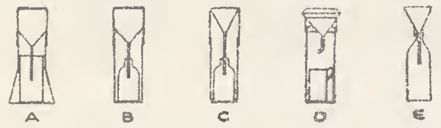
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4231

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Birmingham W.W., Tynllidiart

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* ...... *ft* ...... *in.*
- *Height of Ground above Sea Level* ...... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
(7·22) Jan.	~~6·20~~				
Feb.	7·35 ✓				
Mar.	4·55 ✓				
April	0·90 ✓				
May	2·00 ✓				
(5·08) June	~~6·35~~				
July	4·72 ✓				
Aug.	1·84 ✓				
Sept.	1·30 ✓				
Oct.	8·20 ✓				
Nov.	1·75 ✓				
(1·64) Dec.	~~1·15~~ ✓				
(46·55) Total	~~46·61~~ ✓				

Signature J. M. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C B W D
6 JAN 1934
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent:— ....

Hour of observation by the clock in Winter ...... in Summer ......

Nearest Railway Station .... Distance ...... Direction from gauge ......

Nearest Parish Church at .... Distance ...... Direction from gauge ......

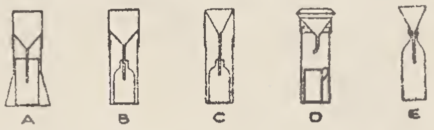
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by Obsr. 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by John Corah & Son, Ltd., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4231

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Lynllidiart

In the County of Radnor

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground..........ft..........in.
Height of Ground above Sea Level..........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	7.85 ✓				
FEB.	0.65 ✓				
MAR.	6.35 ✓				
APRIL	4.95 ✓				
MAY	5.40 ✓				
JUNE	2.58 ✓				
(2.71) JULY	1.94 ✓				
AUG.	6.90 ✓				
SEPT.	5.00 ✓				
OCT.	8.20 ✓				
NOV.	2.60 ✓				
DEC.	12.60 ✓				
(65.79) Total	~~65.02~~ ✓				

Signature J. Wilkinson M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

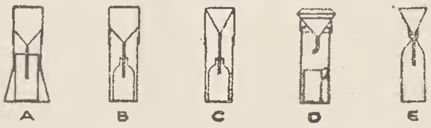
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

1072 sheet
As for 4230

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4231

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Birmingham W.W., Tynllidiart

In the County of Radnor

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	3·95				
FEB.	9·30				
MAR.	2·72				
APRIL	7·97				
MAY	2·10				
JUNE	5·35				
JULY	1·40				
AUG.	2·45				
SEPT.	12·75 ✓				
OCT.	11·20				
NOV.	9·90				
DEC.	6·60 ✓				
Total	75·69 ✓				

Signature J. M. Wilkinson
M. Inst. C. E.
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C. B. W. D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4231

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W., Tynllidiart

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
		Inches	Inches	Date	*	*
	JAN.	9.00 ✓				
	FEB.	3.61 ✓				
	MAR.	3.65 ✓				
	APRIL	3.92				
	MAY	2.10 ✓				
	JUNE	6.52 ✓				
7.95	JULY	~~6.22~~				
	AUG.	1.13				
	SEPT.	5.54				
	OCT.	6.08 ✓				
	NOV.	8.15 ✓				
	DEC.	12.10 ✓				
69.75 ✓	Total	~~68.02~~ ✓				

Signature J. W. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter........ in Summer........

Nearest Railway Station........ Distance........ Direction from gauge........

Nearest Parish Church at........ Distance........ Direction from gauge........

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by obsr.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4231

TRAVELLING FORM.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Lynllidiart

In the County of Radnor

Rain Gauge
Diameter of Funnel..........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level....................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·10				
FEB.	10·60				
MAR.	3·88				
APRIL	5·32				
MAY	2·16				
JUNE	2·80				
JULY	3·05				
AUG.	1·61				
SEPT.	3·36				
OCT.	3·99				
NOV.	1·83				
DEC.	5·50				
TOTAL	56·20				

Signature J. W. Wilkinson

M. Inst. C.E.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C. B. W. D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

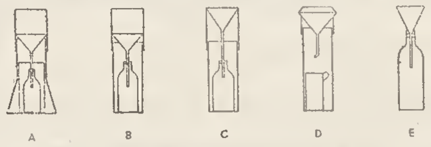
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4231

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Tynllidiart

In the County of Radnor

Rain Gauge {
Diameter of Funnel..........in.
Height of Top above Ground.......ft..........in.
Height of Ground above Sea Level..........ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·60				
FEB.	4·50				
MAR.	1·69				
APRIL	0·72				
MAY	4·10				
JUNE	5·50				
JULY	4·95				
AUG.	4·25				
SEPT.	2·50				
OCT.	10·20				
NOV.	10·50				
DEC.	8·30				
TOTAL	68·81				

Signature J. W. Wilkinson
M.Inst.C.E.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

C.B.W.D.
31 JAN 1939
CHIEF ENGINEER'S OFFICE.

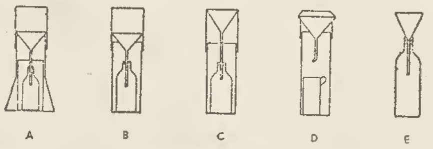
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91.
S.O. Code No. 40-9999

4231

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Lyrllidiart

In the County of Radnor

Rain Gauge
Diameter of Funnel..........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level.................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches ✓	Inches	Date	*	*
JAN.	10·70				
FEB.	7·35	✓			
MAR.	3·70	✓			
APRIL	4·50	✓			
MAY	1·20	✓			
JUNE	2·90	✓			
JULY	8·97	✓			
AUG.	3·55	✓			
SEPT.	0·89	✓			
OCT.	3·90	✓			
NOV.	15·25	✓			
DEC.	5·25	✓			
TOTAL	68·16				

Signature J. W. Wilkinson

a a B.

* See Instruction 3 *(f)* below.

C Particulars of Station.

C.B.W.D.
-9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........................in Summer....................

Nearest Railway Station.................................... Distance..................Direction from gauge.............

Nearest Parish Church at.................................... Distance..................Direction from gauge.............

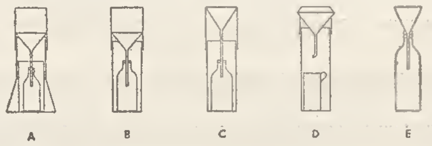
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
S.O. Code No. 46-9999
Wt. 3079/2165 25,500 12/37 W. H. & S. 658/91

4231

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Birmingham W.W., Lyllidiart

In the County of Radnor

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft............in.*
- *Height of Ground above Sea Level................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
(3·50) JAN.	~~3·00~~				
FEB.	4·91				
MAR.	4·49				
APRIL	3·80				
MAY	2·71				
JUNE	0·61				
JULY	7·26				
AUG.	1·51				
SEPT.	4·29				
OCT.	7·81				
NOV.	15·37				
DEC.	6·70				
(62·96) TOTAL	~~62·46~~				

Signature A A Barnes.
of CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter................ in Summer................

Nearest Railway Station................ Direction from gauge................

Nearest Parish Church at................ Distance................ Direction from gauge................

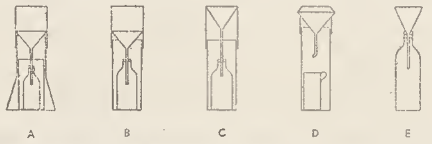
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move................ Distance................ Direction................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

4232

Section **A** for the entry of D

AIR MINISTRY.-

COPY FOR OFFICIAL USE.

FALL ORGANIZATION.

FORM 1090.

REGIST

No 4232

CLAERWEN

780803

480803

93 1 .

Kept at CLAERWEN

in the County of RADNO

Diameter of Funnel of Gauge 5

Height of top of Gauge above Ground

,, Ground ,, Sea Lev

THE MORNING MEASUR DAY.

An observer who does not conform to th *the following year in the space on the right of this*

P

Jan. 1, following

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·25	–	–	–	–	–	–	–	·60	·35	–	–	1
2	–	·25	–	·50	·60	–	–	–	·70	·10	·55	·35	2
3	·55	–	–	–	–	–	·20	–	·50	–	2·15	·35	3
4	–	–	–	·45	·40	–	–	·20	·20	–	·05	·30	4
5	–	·15	–	·40	–	1·20	–	–	–	–	·05	·40	5
6	–	·10	–	–	·10	·05	·55	–	·05	·85	·15	·10	6
7	–	·10	–	–	–	·20	·25	·40	–	·05	·25	·20	7
8	·10	·35	–	·45	–	·35	·25	·20	–	·20	·10	·20	8
9	–	·95	–	–	–	·45	·10	·30	–	·50	·55	·40	9
10	·10	·20	–	–	·20	·15	·20	·55	–	–	1·15	·05	10
11	·80	·45	·25	–	–	–	·60	·05	·75	–	·40	–	11
12	·05	·50	–	·10	–	·45	·30	·20	·15	·15	·10	–	12
13	–	–	·20	–	–	–	·25	·10	–	–	·40	·10	13
14	·30	·65	–	–	·05	–	–	·90	·15	–	·55	–	14
15	·55	·45	–	·60	·30	·25	·10	·20	–	–	–	·10	15
16	·70	·25	–	·80	·25	·45	·20	·75	·25	–	–	–	16
17	·10	·15	–	·40	·45	–	·40	–	–	–	–	–	17
18	1·20	–	–	·10	–	·15	·65	·35	–	–	–	–	18
19	·60	·20	–	–	–	·45	·35	·55	–	–	·35	·05	19
20	·05	·35	·25	·10	–	·30	–	·50	–	–	·05	–	20
21	·85	–	–	–	·55	·25	·05	–	–	–	–	–	21
22	·40	·20	·20	·15	·45	–	–	·25	–	–	·05	–	22
23	·35	–	–	·40	–	·05	–	–	–	–	·75	·60	23
24	·10	·50	–	·40	·25	–	·25	–	–	–	·30	·45	24
25	·55	1·30	–	·70	–	–	·15	–	–	–	·15	·90	25
26	–	·40	–	·40	–	–	·25	–	–	–	·40	·30	26
27	·20	·75	·10	–	·65	–	–	–	–	·65	·80	·15	27
28	·80	·45	·20	·20	·60	–	·05	–	–	–	–	·40	28
29	·40	×	·25	–	–	–	·55	–	–	·40	·25	·15	29
30	·10	×	–	·20	·25	–	·25	–	·10	–	–	–	30
31	·80	×	–	×	·20	×	–	–	×	–	×	·15	31
TOTAL	9·90	8·70	1·45	6·35	5·30	4·75	5·95	5·50	3·45	3·25	9·55	5·70	YEAR'S TOTAL 69·85
*Days with ·01 in. or more.	23	21	7	17	15	14	21	15	10	9	22	20	~~194~~
*Days with ·04 in. or more.	23	21	7	17	15	14	21	15	10	9	22	20	194

Small d

40-9999 H

*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson [P.T.O.

Chief Engineer

City of Birmingham Water Dept.

4232

Section **A** for the entry of Daily Observ

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at CLAERWEN

in the County of RADNOR

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 1250 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·25	–	–	–	–	–	–	–	·60	·35	–	–	1
2	–	·25	–	·50	·60	–	–	–	·70	·10	·55	·35	2
3	·55	–	–	–	–	–	·20	–	·50	–	2·15	·35	3
4	–	–	–	·45	·40	–	–	·20	·20	–	·05	·30	4
5	–	·15	–	·40	–	1·20	–	–	–	–	·05	·40	5
6	–	·10	–	–	·10	·05	·55	–	·05	·85	·15	·10	6
7	–	·10	–	–	–	·20	·25	·40	–	·05	·25	·20	7
8	·10	·35	–	·45	–	·35	·25	·20	–	·20	·10	·20	8
9	–	·95	–	–	–	·45	·10	·30	–	·50	·55	·40	9
10	·10	·20	–	–	·20	·15	·20	·55	–	–	1·15	·05	10
11	·80	·45	·25	–	–	–	·60	·05	·75	–	·40	–	11
12	·05	·50	–	·10	–	·45	·30	·20	·15	·15	·10	–	12
13	–	–	·20	–	–	–	·25	·10	–	–	·40	·10	13
14	·30	·65	–	–	·05	–	–	·90	·15	–	·55	–	14
15	·55	·45	–	·60	·30	·25	·10	·20	–	–	–	·10	15
16	·70	·25	–	·80	·25	·45	·20	·75	·25	–	–	–	16
17	·10	·15	–	·40	·45	–	·40	–	–	–	–	–	17
18	1·20	–	–	·10	–	·15	·65	·35	–	–	–	–	18
19	·60	·20	–	–	–	·45	·35	·55	–	–	·35	·05	19
20	·05	·35	·25	·10	–	·30	–	·50	–	–	·05	–	20
21	·85	–	–	–	·55	·25	·05	–	–	–	–	–	21
22	·40	·20	·20	·15	·45	–	–	·25	–	–	·05	–	22
23	·35	–	–	·40	–	·05	–	–	–	–	·75	·60	23
24	·10	·50	–	·40	·25	–	·25	–	–	–	·30	·45	24
25	·55	1·30	–	·70	–	–	·15	–	–	–	·15	·90	25
26	–	·40	–	·40	–	–	·25	–	–	–	·40	·30	26
27	·20	·75	·10	–	·65	–	–	–	–	·05	·80	·15	27
28	·80	·45	·20	·20	·60	–	·05	–	–	–	–	·40	28
29	·40	×	·25	–	–	–	·55	–	–	·40	·25	·15	29
30	·10	×	–	·20	·25	–	·25	–	·10	–	–	–	30
31	·80	×	–	×	·20	×	–	–	×	–	×	·15	31 Small d –
TOTAL	9·90	8·70	1·45	6·35	5·30	4·75	5·95	5·50	3·45	3·25	9·55	5·70	YEAR'S TOTAL 69·85
*Days with ·01 in. or more.	23	21	7	17	15	14	21	15	10	9	22	20	~~194~~
*Days with ·04 in. or more.	23	21	7	17	15	14	21	15	10	9	22	20	194

40-9999 M

*See Instruction 2 (*f*) on other side.

(Signed) J. Mansergh Wilkinson [P.T.O.

Chief Engineer

City of Birmingham Water Dept.

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 4232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Claerwen

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 1250 ft.

Raindays

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf. ✓

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	.55	-	-	.50	1.30	.05	.75	.55	.55	-	.20	.40	1
2	.60	-	-	-	.25	-	.20	.15	1.15	.25	.25	.75	2
3	.10	-	-	.20	-	-	.10	.10	-	.10	.35	.25	3
4	.20	-	-	.30	.05	-	.45	-	-	-	-	-	4
5	1.45	-	.10	.30	.10	-	.10	-	.25	-	-	-	5
6	1.00	-	.15	.40	-	-	.50	.20	.50	.05	-	-	6
7	.40	-	.65	.45	-	-	-	.10	.75	1.40	-	-	7
8	.10	-	.20	.15	-	-	-	-	.45	.25	-	-	8
9	1.15	.05	-	.25	.40	-	-	-	.15	-	-	-	9
10	.80	-	-	.20	.10	-	.05	-	.45	1.05	-	-	10
11	.25	-	-	.45	.35	.40	.50	-	-	.10	-	-	11
12	.75	-	-	.05	.05	-	.40	-	.75	.70	-	-	12
13	.25	.10	-	.30	.30	-	.70	.05	.85	.40	-	.40	13
14	.40	-	-	.35	.30	-	-	.15	.10	.40	.25	.10	14
15	.10	-	-	-	.10	-	-	-	.20	.50	-	-	15
16	.75	-	-	.25	.20	-	.10	-	-	.20	-	.05	16
17	.05	-	-	-	-	-	.15	-	-	.30	-	.15	17
18	.05	-	-	-	.35	-	-	-	-	-	.40	-	18
19	-	-	-	.25	.25	-	-	-	-	.35	-	-	19
20	-	-	-	.40	.55	-	-	-	-	.45	.25	.30	20
21	.10	.05	.40	.15	-	-	-	.35	-	1.15	.40	.20	21
22	.10	-	.10	.25	.10	-	.35	-	.55	.55	.85	.35	22
23	-	.05	-	.10	.15	-	.15	-	-	.35	.40	.30	23
24	.10	-	-	.10	.10	-	.80	-	.35	.10	.50	-	24
25	-	-	-	.10	.25	.20	.40	-	.30	1.10	.05	-	25
26	-	.05	.10	.45	-	-	.10	-	.25	.40	.10	-	26
27	-	-	.95	.25	.25	-	.30	-	-	.35	.60	-	27
28	-	-	.55	.05	.35	-	.65	-	-	-	.20	.10	28
29	-	-	1.00	.45	.10	-	.15	.40	.25	1.55	.70	.60	29
30	-	×	.55	.30	.25	1.10	.20	-	-	.65	.60	-	30
31	-	×	-	×	-	×	.70	.10	×	-	×	.70	31
													YEAR'S TOTAL
TOTAL	9.25	.30	4.75	7.00	6.20	1.75	7.80	2.15	7.85	12.70	6.10	4.65	70.50
*Days with ·01 in. or more.													
*Days with .04 in. or more.	21	5	11	26	23	4	22	10	17	24	16	14	193

✓ 40-9999 M

*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

P.T.O.

[illegible] W.W. [illegible] 4232

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM ~~1090~~.

REGISTER OF RAINFALL IN 1933.

Kept at Claerwen

in the County of Radnor

Diameter of Funnel of Gauge.......in.

Height of top of Gauge above Ground.......ft.......in.

,, Ground ,, Sea Level.......ft.

corrected by observer 1.34

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·40	1·45	·25	–	–	·10	–	–	·30	·10	·40	·50	1
2	1·10	–	·30	–	–	·20	–	–	–	–	·05	–	2
3	·25	·95	·50	–	–	–	·	–	–	–	–	–	3
4	·85	·45	·15	–	·10	–	·	–	–	–	–	–	4
5	·30	·40	·65	–	·20	–	·	–	–	–	–	–	5
6		·55	·20	–	·10	–	·	–	–	·10	–	–	6
7	1·35	·85	·10	–	·10	·25	·10	·15	–	·60	–	–	7
8	·80	·25	·10	–	·40	–	·45	–	–	·05	–	–	8
9		·15	–	–	·35	–	·45	·05	–	1·30	·30	–	9
10	·55	·20	–	–	·30	–	·40	·10	–	2·00	·10	–	10
11			–	–	·10	·30	1·90	·05	–	·15	–	–	11
12			–	–	–	–	–	–	–	·15	–	·05	12
13			–	–	–	–	·75	–	–	·40	·45	–	13
14	·55		–	–	–	·05	·10	·10	–	·05	·35	–	14
15	·20		·20	–	–	–	·20	–	–	·20	–	·05	15
16	·15	·05	·40	–	–	·25	–	·05	–	·40	–	–	16
17	·10	·35	·45	–	–	·75	·	–	·15	–	·05	–	17
18	·30		·45	–	–	·70	·	·20	–	–	–	–	18
19			·55	–	–	·10	·	–	·55	–	·45	–	19
20		·50	·15	–	–	·35	·	·40	·15	–	–	–	20
21		·10	–	–	–	·25	–	·25	–	·15	–	–	21
22			–	(·15)	–	–	·	–	·15	·10	–	–	22
23		·40	–	(·15) ~~·10~~	·20	·25	–	–	–	·15	–	–	23
24		(·30) ~~·20~~	–	·10	–	·85	·	–	·05	·10	–	–	24
25		(·45) ~~·05~~	–	(·05) –	·15	·15	·	–	–	–	–	·15	25
26		(·65) ~~·30~~	–	·10	·10	–	–	–	–	1·05	–	·10	26
27		·10	–	–	–	–	·	–	–	·25	–	·10	27
28		·20	–	(·30) ~~·15~~	–	–	–	·60	–	·10	–	–	28
29		~~×~~	·05	–	–	–	·40	–	–	–	–	·10	29
30	·05	×	·15	·05	–	–	·30	–	·10	·25	–	·25	30
31	·40	×	·25	×	–	×	·40	–	×	·30	×	–	31 (48·40)
TOTAL	7·35	(8·35) ~~7·50~~	4·90	(0·90) ~~0·50~~	2·10	4·55	5·45	1·95	1·45	7·95	2·15	1·30	YEAR'S TOTAL ~~47·15~~
*Days with ·01 in. or more.	15	19	17	7 ~~5~~	11	14	11	10	7	21	8	8	11~~4~~ 8
*Days with ·04 in. or more.	15	19	17	7 ~~5~~	11	14	11	10	7	21	8	8	11~~4~~ 8

40-9999

M D

(Signed) J. M. Wilkinson

[P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 109

REGISTER OF RAINFALL IN 1934.

Kept at Birmingham W.W., Claerwen

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

Gauge leaking
monthly values adjusted see over
BUT. NOT Daily values

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·20	–	·10	–	–	–	–	·65	·10	·45	·60	·45	1
2	–	–	·15	–	–	–	–	1·20	·20	–	·55	·90	2
3	·20	–	·05	–	·45	–	–	·20	·30	·85	·15	·65	3
4	·40	–	·55	·10	·25	–	–	·20	–	·50	·15	·50	4
5	·15	–	·30	–	·45	–	–	·65	–	·15	·15	·20	5
6	·20	–	·10	–	·85	·15	–	–	·10	·35	–	·65	6
7	·65	–	–	–	–	–	–	·10	·30	·40	·35	·70	7
8	–	–	·30	–	·45	–	–	·10	·30	·25	·60	1·00	8
9	·05	·10	·35	–	–	–	–	·20	·10	·15	·35	·25	9
10	·40	–	·30	·30	–	–	–	·40	–	·70	·30	·10	10
11	·95	–	·20	·60	–	–	–	·90	–	–	–	·20	11
12	·10	–	–	·15	–	–	–	·35	–	·40	–	·20	12
13	1·35	–	–	·70	–	·10	·10	·10	–	·45	–	·10	13
14	·25	–	·95	·15	–	·05	–	–	–	·70	·15	·60	14
15	·30	–	·90	·10	·55	–	·20	–	–	·70	·20	·70	15
16	·75	–	·50	–	·15	–	–	·10	–	·35	–	·15	16
17	·45	–	·55	·30	·20	–	·20	–	–	·35	·10	·40	17
18	·45	–	·20	·30	·30	·15	–	–	·15	·15	–	·50	18
19	–	–	·30	–	·30	·30	–	·30	·55	·40	–	1·25	19
20	–	–	–	·20	·20	–	–	–	·10	·55	·10	·05	20
21	–	–	·20	–	–	·20	–	–	·10	·35	–	·05	21
22	·15	–	·20	·10	·20	–	–	·05	·40	·55	·10	·25	22
23	·05	–	·15	·45	·10	·30	·05	–	·10	·20	–	–	23
24	–	·40	–	·25	–	–	–	–	–	·10	–	–	24
25	·50	–	–	·35	–	·30	–	–	·30	·80	–	·95	25
26	·10	–	·20	·20	–	·40	–	–	·35	·30	·30	·25	26
27	–	–	–	·15	–	–	·10	·65	–	·40	·10	·40	27
28	–	–	–	·75	–	–	·80	–	·30	·25	·10	·80	28
29	–	×	–	–	–	–	·70	·40	·30	·25	–	·25	29
30	·10	×	–	–	–	–	·10	·50	·40	·25	–	·40	30
31	–	×	–	×	–	×	–	·10	×	·40	×	·60	31 ✗
TOTAL	7·16 ~~7·75~~	·70 ~~0·50~~	5·90 ~~6·55~~	5·15 ~~5·15~~	3·92 ~~4·45~~	3·00 ~~1·95~~	3·42 ~~2·25~~	8·08 ~~7·75~~	4·48 ~~4·45~~	9·48 ~~4·70~~	3·30 ~~4·35~~	13·69 ~~13·50~~	YEAR'S TOTAL ~~70·25~~ 68·25
*Days with ·01 in. or more.	21	2	20	17	13	9	8	19	18	29	17	29	202
*Days with .04 in. or more.	21	2	20	17	13	9	8	19	18	29	17	29	202

Any daily figures to be adjusted?

See adjusted figures on reverse

40-9999

*See Instruction 2 (*f*) on other side,

M

(Signed) J. M. Wilkinson M.Inst.C.E. P.T.O.
Chief Engineer. City of Birmingham Water Dept.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090

REGISTER OF RAINFALL IN 1935.

Kept at Birmingham W.W., Claerwen

in the County of Radnor

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

" Ground " Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.55	.20	.25	.05	-	-	.25	-	.25	.50	-	.35		1
2	.10	.15	.10	-	-	.10	-	-	.40	.10	.15	.30		2
3	.20	.45	-	.55	-	.05	.50	-	.40	.15	.40	.15		3
4	.15	-	.20	.25	-	.20	.10	-	.45	.25	.10	.10		4
5	.10	.85	.60	.15	-	.35	.30	-	.15	.25	.30	.20		5
6	-	-	-	.25	-	.75	-	-	-	-	.10	.55		6
7	-	-	-	.75	-	.80	-	-	-	.45	-	.30		7
8	-	-	-	.15	-	-	-	-	-	.35	.15	.30		8
9	.10	.05	-	.45	-	.20	-	-	-	1.20	-	-		9
10	-	.95	-	-	-	.05	-	-	-	.60	.05	-		10
11	.45	-	-	-	-	.55	-	.20	-	.45	.75	-		11
12	.15	.25	-	-	-	.40	-	-	.10	-	.30	-		12
13	.95	-	-	.15	.20	.10	-	-	.30	-	.50	-		13
14	.10	-	-	.45	-	.20	.10	.20	.30	.45	.90	.40		14
15	-	.95	-	.55	.25	.40	-	-	.30	.25	.65	.25		15
16	-	.35	-	.35	-	-	.20	.10	2.25 ~~1.45~~	.60	.65	.45 ~~-~~		16
17	-	-	-	.60	.75	.30	.20	.20	.45 ~~.15~~	-	.50 ~~.95~~ ~~nil~~	-		17
18	-	.15	-	.80	.20	.20	.45	.25	1.00	.40	.10	-		18
19	-	.20	-	.15	.20	.85	.10	-	.45	.50	.15	-		19
20	-	1.00	-	.40	.40	.20	-	-	-	-	.65	-		20
21	-	.60	-	.10	-	-	-	-	.55	.30	.25	-		21
22	-	.20	.25	.15	-	-	-	-	.65	.10	-	-		22
23	.10	.30	1.00	-	-	.10	-	-	.35	.30	-	.05		23
24	1.10	1.00	.20	-	-	.40	-	-	1.20	.15	-	.20		24
25	.60	.15	.10	.05	-	.40	-	-	-	-	-	.20		25
26	-	.15	.05	-	-	-	.40	1.60	.70	.10	.20	.35		26
27	-	.25	-	-	-	-	-	.25	.85	1.50	.75	.10		27
28	.10	.30	-	-	-	-	-	.50	.20	1.30	.30	-		28
29	-	×	-	-	-	-	-	.10	.30	.25	.85	.75		29
30	.15	×	-	.10	-	-	-	.05	.70	.90	.70	.55		30
31	-	×	-	×	.20	×	-	-	×	.70	×	.20		31
TOTAL	4.90	7.90	2.75	6.45	2.20	6.60	2.60	3.45	12.30 ~~11.20~~	12.10	9.45 ~~9.90~~	5.75 ~~5.30~~	Year's Total ~~75.35~~	76.45 "d"
*Days with .01 in. or more.	15	20	9	20	7	20	10	10	22	25	23	~~18~~ 19	~~200~~ ~~199~~	
*Days with .04 in. or more.	15	20	9	20	7	20	10	10	22	25	23	~~18~~ 19	200 ~~199~~	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(Signed) J. M. Wilkinson M.Inst.C.E. T.O.

Chief Engineer.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Birmingham W.W., Claerwen
in the County of Radnor

Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·60	·35	–	·30	–	·40	·05	·10	–	–	·55	1·30		1
2	–	·05	–	·05	–	·40	·10	·10	·25	–	·30	·65		2
3	·15	–	–	–	–	·10	–	·20	·20	–	–	·50		3
4	–	–	·30	–	–	–	–	·10	1·30	–	·75	·40		4
5	·75	·10	·20	–	–	·05	–	·40	·55	–	–	·55		5
6	·05	–	·10	–	–	·15	–	·25	·30	–	·95	–		6
7	–	–	·10	–	–	–	·30	–	·80	–	·75	·45		7
8	·75	–	·30	–	–	–	·50	–	–	–	1·10	·55		8
9	1·35	–	–	–	–	–	·70	–	·10	–	·45	–		9
10	–	–	–	–	–	–	·30	–	–	–	·15	–		10
11	–	–	–	–	–	·15	–	·20	·30	–	·60	·25		11
12	–	–	–	–	·25	·15	1·25	·05	·30	·20	·10	·20		12
13	–	–	–	–	·10	–	·30	–	–	1·10	·20	1·80		13
14	–	–	–	–	–	·40	·10	–	·95	·40	·05	1·00		14
15	–	–	–	–	·60	–	·05	–	–	–	·60	·30		15
16	·15	·15	–	–	·90	–	·15	–	–	–	·95	·20		16
17	·20	1·00	–	–	·20	–	·85	·10	–	·70	·35	·65		17
18	–	·25	–	·30	–	–	1·20	·10	–	·60	–	·25		18
19	·40	–	·10	·70	–	·40	·25	·20	–	·50	–	–		19
20	·15	·45	·20	–	–	1·10	–	·05	–	·20	–	·10		20
21	–	–	·05	·70	–	·90	–	–	–	·20	–	·10		21
22	·10	·25	·55	–	·25	·05	·50	–	–	·15	–	–		22
23	·10	·45	·10	·40	–	–	–	–	–	·25	·05	–		23
24	·25	–	–	·15	–	–	·55	–	·20	·75	–	–		24
25	·30	–	·15	·90	–	–	–	–	·70	·40	–	–		25
26	·65	·25	·55	–	–	–	·05	–	·20	·25	–	–		26
27	·55	·25	·40	–	–	–	·40	–	·20	·35	–	–		27
28	·55	·10	·30	·10	–	·35	·25	–	–	·15	·05	·30		28
29	·15	–	·45	–	–	·95	–	–	–	·10	·55	·30		29
30	·15	×	·05	–	·30	·20	·80	–	–	·90	·25	·20		30
31	·75	×	·25	×	·60	×	·50	–	×	–	×	·90		31
TOTAL	8·10	3·65	4·15	3·60	3·20	5·75	9·15	1·85	6·35	7·20	8·75	10·95	Year's Total. 72·70	
* Days with .01 in. or more.	~~20~~	~~12~~	~~17~~	~~9~~	~~8~~	~~15~~	~~21~~	~~12~~	~~14~~	~~17~~	~~19~~	~~21~~	~~185~~	
* Days with .04 in. or more.	20	12	17	9	8	15	21	12	14	17	19	21	185	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. W. Wilkinson

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Birmingham W.W., Claerwen
in the County of Radnor
Diameter of Funnel of Gauge..................in.
Height of top of Gauge above Ground.........ft..........in.
,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·20	·25	–	·15	–	–	·20	–	·35	·15	–	·35		1
2	·35	·65	–	·10	–	–	–	–	·05	–	–	1·10		2
3	·25	·85	–	–	·25	·60	·20	–	·05	–	–	·05		3
4	·55	·20	–	·25	·15	·10	–	·05	–	–	–	1·60		4
5	1·70	–	·05	·10	–	–	·20	–	–	–	–	·05		5
6	1·10	·05	·25	·25	·45	·10	–	–	·05	·05	–	–		6
7	–	·95	·05	·35	–	·25	–	–	·35	–	·05	–		7
8	–	·45	–	–	·10	·35	·20	–	·15	–	·25	–		8
9	·05	·05	–	·20	·10	–	·40	·10	·45	–	–	–		9
10	·15	·10	·15	–	–	·10	–	–	·05	–	–	·55		10
11	·20	–	·55	·05	·20	·35	·20	·20	–	–	–	·15		11
12	·90	·45	·20	–	–	·25	·05	–	·35	–	–	·30		12
13	·20	·15	·10	·55	–	·15	–	·25	·25	–	–	·50		13
14	–	·20	·10	·15	–	–	–	·10	·25	–	·10	·10		14
15	·20	·45	·10	·45	–	–	·20	–	·30	–	–	·20		15
16	·20	·45	·85	1·55	–	–	–	·35	·10	–	–	–		16
17	·85	·30	·55	·40	–	–	–	–	1·70	–	–	–		17
18	·55	·35	·35	–	–	·05	·15	·10	·10	–	·25	·30		18
19	·10	·50	·15	·55	·05	·10	·20	–	–	–	·30	–		19
20	·75	·60	·15	·95	–	·05	·15	–	–	–	–	·20		20
21	·75	·75	·10	1·10	·15	–	·40	–	–	·20	–	·10		21
22	·40	·15	–	·10	·40	–	·80	–	–	·65	·20	·40		22
23	–	·10	–	–	·40	–	·10	–	–	·45	·10	·05		23
24	·60	·55	·55	–	·05	–	·25	–	·05	·35	–	·15		24
25	–	·75	–	–	–	–	–	–	–	·25	–	·10		25
26	–	·70	·10	–	·15	–	–	–	–	·10	–	–		26
27	–	·40	–	·05	–	–	–	–	–	·80	–	·05		27
28	–	·30	–	–	–	·10	–	–	–	·05	–	–		28
29	–	×	–	–	–	·05	–	–	–	1·20	·20	–		29
30	·25	×	–	–	–	·15	–	–	·10	·25	·45	–		30
31	·45	×	–	×	–	×	–	·05	×	·35	×	–		31 'd'
TOTAL	10·75	10·70	4·35	7·30	2·45	2·75	3·70	1·20	4·70	4·85	1·90	6·30	Year's Total 60·95	✓ ✓
* Days with .01 in. or more.	22	20	17	18	12	15	15	8	17	13	9	19	~~191~~	✓ ✓
* Days with .04 in. or more.	22	20	17	18	12	15	15	8	17	13	9	19	191	✓ ✓

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) J. W. Wilkinson [P.T.O.

M. Inst. C.E.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Jan + Nov estimated by observer.

Kept at Birmingham W.W., Claerwen
in the County of Radnor
Diameter of Funnel of Gauge..................in.
Height of top of Gauge above Ground.........ft.........in.
,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUE FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·10	·05	-	-	1·80	-	·25	-	·45	·10	·55		1
2	-	·25	-	·60	·10	·65	·45	-	-	·30	·10	·25		2
3	-	-	-	-	·10	·10	·25	-	·05	1·05	·20	-		3
4	·05	-	-	·30	-	-	·55	·50	-	·40	·10	·80		4
5	·10	·05	-	·35	-	·25	·35	-	·35	·50	-	·50		5
6	·50	-	-	-	-	·60	·80	·10	·35	·90	·15	·35		6
7	·25	-	-	-	-	.	·80	·80	·25	·35	-	·15		7
8	·30	·15	·05	-	-	.	·40	·25	-	·90	-	·50		8
9	·40	·35	·25	-	-	·85	·30	·30	-	·15	-	·90		9
10	·15	·10	·10	-	-	-	1·40	·45	-	·25	-	·45		10
11	(1·20) ~~·90~~	·30	-	-	-	·25	·10	-	·05	·35	·45	·35		11
12	·40	·10	-	-	·25	.	-	-	-	·75	(1·95) ~~1·45~~	·05		12
13	·05	-	-	-	·10	.	·05	-	·10	·60	·25	·50		13
14	(1·80) ~~1·00~~	-	-	-	·15	.	·20	-	·15	·05	·15	-		14
15	·30	-	·05	-	·55	.	-	·20	-	·20	·10	·70		15
16	·50	-	·10	-	·10	.	-	·15	-	·30	-	.		16
17	-	·05	-	-	-	.	·25	-	·45	·45	·05	.		17
18	·20	-	-	-	-	·10	·05	1·05	·15	·20	·75	.		18
19	·20	-	-	-	-	.	-	·30	·10	.	·45	.		19
20	·30	-	·20	-	-	.	.	·20	·15	.	·50	.		20
21	-	-	·10	-	-	.	-	·35	·20	.	·35	.		21
22	·10	-	-	·10	-	·05	-	·10	·05	·05	·45	.		22
23	·10	-	-	-	·25	·20	-	·05	·10	-	·20	.		23
24	·25	·10	·65	-	·25	·45	·05	·25	·05	·10	·15	.		24
25	·15	·25	·05	-	·20	·05	·10	·20	-	·45	(1·60) ~~1·10~~	·15		25
26	·80	1·45	·30	-	-	·80	·20	-	-	·70	·05	·15		26
27	1·10	·65	·10	-	·60	-	·85	·20	·15	·10	(·70) ~~·40~~	.		27
28	·50	·45	-	-	-	·80	·25	·10	·15	-	·30	·05		28
29	·50	×	·25	-	·70	·05	·15	-	·05	·20	·10	·90		29
30	·25	✕	-	-	-	·25	·05	-	·50	·05	(·55) ~~·45~~	·40		30
31	·30	✕	-	✕	·25	✕	·05	-	✕	·70	✕	·60		31
TOTAL	(10·75) ~~9·65~~	4·35	2·25	1·35	3·60	7·25	7·65	5·80	3·40	10·50	(9·75) ~~8·35~~	8·30	Year's Total ~~72·45~~	(74·95)
* Days with .01 in. or more.	26	14	13	4	13	16	22	19	19	26	24	19	215	
* Days with .04 in. or more.	26	14	13	4	13	16	22	19	19	26	24	19	215	

d

* See Instruction 3 (f) on other side.

† Spare column, no entries required

(Signed) ...... Wilkinson ...... J.P. &c.
M.Inst.C.E.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at Birmingham W.W., Claerwen

in the County of Radnor

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.

VALU[illegible]

Days

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	-	·50	·45	·05	-	·10	·10	-	-	-	·45		1
2	-	-	·10	·15	-	-	·15	·60	·25	-	-	·10		2
3	·30	-	·20	·30	-	-	·05	·20	·05	-	·05	·20		3
4	·05	-	·35	·75	·20	-	·40	·05	-	·40	·80	1·20		4
5	-	·05	-	·10	-	-	·30	-	-	·20	·85	-		5
6	·90	·05	·10	-	-	-	·85	·10	-	-	·30	-		6
7	·30	·25	·05	-	-	-	1·05	·20	-	-	·60	·65		7
8	·25	·70	·70	-	·15	-	·50	·05	-	·50	1·50	·10		8
9	·10	·75	·10	-	-	-	·05	·60	-	·15	·10	·60		9
10	·90	·10	-	-	-	·05	-	·15	·65	·55	-	1·90		10
11	-	·25	·40	-	-	-	-	·10	-	-	-	-		11
12	·75	·10	-	·15	-	-	-	-	·20	·05	·05	-		12
13	-	·25	-	·45	·10	-	·40	-	·30	-	·20	-		13
14	1·05	-	·10	·25	·25	·45	·20	-	·05	·05	·30	-		14
15	·75	·25	·15	·50	·10	·75	·35	-	-	-	·30	-		15
16	·45	·05	·20	·10	·30	·35	·05	-	-	-	1·10	-		16
17	·80	·25	-	·05	-	·35	·10	-	-	·05	·65	-		17
18	·30	·40	·05	-	-	·15	·20	-	-	-	1·20	-		18
19	·25	·05	-	-	-	-	·25	·20	-	-	·05	-		19
20	·25	·05	-	-	·05	-	·55	·30	-	-	-	-		20
21	·45	·50	·75	·20	·15	·35	·65	·40	·05	-	-	-		21
22	·95	1·70	·30	·35	-	·15	·20	·10	-	-	1·15	-		22
23	·65	·40	·15	·65	-	·05	·55	-	-	·60	·45	-		23
24	·35	·20	-	·10	-	·10	·10	-	-	·45	·05	-		24
25	·25	·35	-	-	-	·15	·25	-	-	·35	2·35	-		25
26	-	·10	-	·05	-	-	-	·15	-	·05	·90	·05		26
27	-	1·20	·10	·10	-	·35	·15	·25	-	-	·20	-		27
28	-	·85	·15	·05	-	·40	·60	·30	-	-	·85	·30		28
29	-	X	-	·25	-	·15	1·70	-	-	·15	1·45	-		29
30	-	X	-	·10	-	·20	·30	-	-	-	·40	·50		30
31	-	X	-	X	-	X	·15	·15	X	·20	X	·05		31
TOTAL	10·05	8·85	4·45	5·10	1·35	4·00	10·20	4·00	1·55	3·75	15·85	6·10	Year's Total 75·25	
* Days with .01 in. or more.	20	23	18	20	9	15	27	18	7	14	24	12	207	
* Days with .04 in. or more.	20	23	18	20	9	15	27	18	7	14	24	12	207	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. W. Wilkinson

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

Kept at Birmingham W.W., Claerwen

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

„ Ground „ Sea Level ....ft.

TRAVELLING FORM.
VALUES FOR [illegible]

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	-	-	·20	·10	-	-	-	-	-	·75	-		1
2	-	-	-	·20	-	-	·35	-	-	-	2·90	·35		2
3	-	·50	-	·20	-	-	·10	-	-	·10	·85	·20		3
4	-	·25	-	·05	-	-	·10	-	-	·25	·35	·20		4
5	-	·05	-	-	·15	-	·45	-	·05	1·00	1·00	·50		5
6	·20	·40	-	-	-	-	·05	-	-	1·10	·15	·25		6
7	·05	1·20	-	·05	-	-	·10	·05	·25	·30	-	·60		7
8	-	-	-	-	-	-	·40	-	-	·50	-	·60		8
9	-	-	-	·05	-	-	1·10	·45	·60	·65	·90	·40		9
10	-	·05	·20	-	-	-	1·00	·15	·20	·15	·30	·35		10
11	-	-	·05	·10	-	·05	3·20	-	-	·25	1·80	·30		11
12	-	-	·30	-	-	·10	·95	·05	·40	-	·25	-		12
13	-	-	·25	-	-	-	·10	·45	·45	-	·20	·30		13
14	-	·05	·05	·35	-	-	·45	·15	·30	·70	·30	·60		14
15	-	-	·20	·15	·75	·05	·05	-	·25	·40	·60	·10		15
16	-	·05	·25	-	-	-	·25	-	1·15	·20	·55	·15		16
17	-	-	·55	-	-	-	·40	-	·35	·60	·20	·10		17
18	·25	·85	·60	·45	-	-	-	·60	·25	·40	-	·90		18
19	-	·35	·30	·15	-	-	·40	-	·05	-	·25	-		19
20	-	-	·10	·25	-	-	1·00	·40	-	-	·05	-		20
21	-	-	·10	·05	·20	·30	·05	-	-	-	1·70	-		21
22	-	·10	·20	·15	·05	·15	-	·25	·10	-	-	-		22
23	-	·30	·20	·15	·20	-	·10	-	·30	-	·15	-		23
24	·10	·05	·30	·05	·15	-	·10	-	·10	-	-	-		24
25	·15	-	-	·10	·15	-	-	-	·05	-	-	-		25
26	1·80	·50	-	·05	·05	-	·10	·25	·05	-	·20	-		26
27	·75	·60	-	·20	-	-	·25	-	·20	-	·30	·10		27
28	·85	·20	·10	·25	·30	-	·05	·20	-	-	-	·05		28
29	-	-	·85	·10	-	·15	·10	-	-	-	-	1·00		29
30	-	✕	·10	·80	·05	-	-	-	-	·55	-	·05		30
31	-	✕	·30	✕	·10	✕	-	-	✕	1·00	✕	·05		31
TOTAL	4·15	5·50	5·00	4·10	2·25	0·80	11·20	3·00	5·10	8·15	13·75	7·15	Year's Total 70·15	
* Days with .01 in. or more.	8	16	19	22	12	6	25	11	18	16	21	21	195	
* Days with .04 in. or more.	8	16	19	22	12	6	25	11	18	16	21	21	195	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) A. A. Barnes.
a/ CHIEF ENGINEER. T.O.

PEN-Y-GAREG (PENY

Section **A** for the entry of Da

AIR MINISTRY.

n No 4232/5

RGANIZATION

FORM 1090

REGIST

4232/5

PEN-Y-GAREG, PENYBONT

1937 — 39

780803

Kept at Penybont Cott

in the County of R

c and

Diameter of Funnel of Gauge.........5

Height of top of Gauge above Groun

,, Ground ,, Sea Le

THE MORNING MEASUREM

AY

An observer who does not conform to t

year in the space on the right of this

wing

Jan. 1, following

Pleas

Date	Jan.	Feb.	Mar.	Apri								Dec.		Date
	in.	in.	in.	in.								in.	†	
1	·37	·20	–	·03	–	–	·03	–	·25	·13	–	·17		1
2	·40	·71	–	·08	–	–	–	–	·06	–	–	1·33		2
3	·07	·38	–	–	·25	·26	·10	–	·04	–	–	·08		3
4	·54	·37	–	·11	·08	–	–	·12	–	–	–	1·03		4
5	1·90	–	·10	·12	–	–	·10	–	–	–	–	·18		5
6	1·14	·18	·09	·18	·24	·06	–	–	·03	–	·05	–		6
7	–	·90	·14	·28	–	·12	–	–	·17	·10	–	–		7
8	–	·34	~~·14~~ 07	·19	·14	·12	·13	–	·12	–	·25	–		8
9	·02	·19	✓ ~~·07~~	–	·03	–	·14	–	·33	–	–	–		9
10	·16	·07	✗	·05	–	·10	–	–	·02	–	–	·63		10
11	·18	✓	✗ ·83	·02	·20	·42	·20	·38	–		–	·09		11
12	·97	✗ ·40	·15	–	–	·26	·02	·03	·29	–	–	·29		12
13	·32	·05	·08	·50	–	·25	–	–	·24	–	–	·30		13
14	–	·19	~~·08~~ 14	·10	–	–	–	·21	·16	–	·10	·12		14
15	·80	·52	·05	·37	–	–	·54	–	·31	–	–	·12		15
16	·21	·62	·86	1·04	–	–	–	·31	·10	–	–	·22		16
17	·93	·27	~~·86~~ 51	·13	–	–	–	–	·72	–	·07	–		17
18	·46	·26	·30	–	–	·10	–	·05	·17	–	·21	·17		18
19	·07	·45	·12	·39	·03	·11	·25	–	–	–	·18	–		19
20	·62	·43	·13	·77	–	·03	·18	–	–	–	·37	·19		20
21	·62	·38	·10	·50	·16	–	·24	–	·02	·17	·26	·08		21
22	·23	·12	·04	·03	·32	–	·80	–	–	·60	–	·26		22
23	·25	·25	·02	–	·56	–	·07	–	–	·30	–	·04		23
24	·67	·40	·40	–	–	–	·10	–	·06	·41	–	·09		24
25	·02	·78	–	–	–	–	–	–	·02	·22	–	·04		25
26	–	·72	·12	·03	·22	–	–	–	–	–	–	–		26
27	–	·20	–	–	–	–	–	–	–	·62	–	–		27
28	–	·78	–	–	–	·06	–	–	–	·03	–	–		28
29	–		–	–	·02	·04	–	·37	·16	·84	·14	–		29
30	·37	✕	–	–	–	·23	–	·03	–	·09	·31	–		30
31	·50	✕	–	✕	–	✕	–	–	✕	·43	✕	–		31
TOTAL	11·82	10·16	4·25	4·92	2·25	2·16	2·90	1·50	3·27	3·94	1·94	5·43	Year's Total 54·54	
* Days with .01 in. or more.	24	27	21	19	12	14	14	8	19	12	10	19	199	
* Days with .04 in. or more.	22	26	19	15	9	13	12	6	15	11	10	19	177	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) R. Ashton [P.T.O.

John Jones Esq

PEN-Y-GAREG (PEN-Y

Section **A** for the entry of Da

Station No. 4232/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Penybont Cottage
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. — in.
,, Ground ,, Sea Level 900 ft.

Corrected for Acc and Days.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·37	·20	-	·03	-	-	·03	-	·25	·13	-	·17		1
2	·40	·71	-	·08	-	-	-	-	·06	-	-	1·33		2
3	·07	·38	-	-	·25	·26	·10	-	·04	-	-	·08		3
4	·54	·37	-	·11	·08	-	-	·12	-	-	-	1·03		4
5	1·90	-	·10	·12	-	-	·10	-	-	-	-	·18		5
6	1·14	·18	·09	·18	·24	·06	-	-	·03	-	·05	-		6
7	-	·90	·14	·28	-	·12	-	-	·17	·10	-	-		7
8	-	·34	~~14~~ 07	·19	·14	·12	·13	-	·12	-	·25	-		8
9	·02	·19	✓ ~~07~~	-	·03	-	·14	-	·33	-	-	-		9
10	·16	·07	✗	·05	-	·10	-	-	·02	-	-	·63		10
11	·18	✓	✗ ·83	·02	·20	·42	·20	·38	-		-	·09		11
12	·97	✗ ·40	·15	-	-	·26	·02	·03	·29	-	-	·29		12
13	·32	·05	·08	·50	-	·25	-	-	·24	-	-	·30		13
14	-	·19	~~08~~ 14	·10	-	-	-	·21	·16	-	·10	·12		14
15	·80	·52	·05	·37	-	-	·54	-	·31	-	-	·12		15
16	·21	·62	·86	1·04	-	-	-	·31	·10	-	-	·22		16
17	·93	·27	~~86~~ 51	·13	-	-	-	-	·72	-	·07	-		17
18	·46	·26	·30	-	-	·10	-	·05	·17	-	·21	·17		18
19	·07	·45	·12	·39	·03	·11	·25	-	-	-	·18	-		19
20	·62	·43	·13	·77	-	·03	·18	-	-	-	·37	·19		20
21	·62	·38	·10	·50	·16	-	·24	-	·02	·17	·26	·08		21
22	·23	·12	·04	·03	·32	-	·80	-	-	·60	-	·26		22
23	·25	·25	·02	-	·56	-	·07	-	-	·30	-	·04		23
24	·67	·40	·40	-	-	-	·10	-	·06	·41	-	·09		24
25	·02	·78	-	-	-	-	-	-	·02	·22	-	·04		25
26	-	·72	·12	·03	·22	-	-	-	-	-	-	-		26
27	-	·20	-	-	-	-	-	-	-	·62	-	-		27
28	-	·78	-	-	-	·06	-	-	-	·03	-	-		28
29	-		-	-	·02	·04	-	·37	·16	·84	·14	-		29
30	·37		-	-	-	·23	-	·03	-	·09	·31	-		30
31	·50		-		-		-	-		·43		-		31
													Year's Total	
TOTAL	11·82	10·16	4·25	4·92	2·25	2·16	2·90	1·50	3·27	3·94	1·94	5·43	54·54	
* Days with .01 in. or more.	24	27	21	19	12	14	14	8	19	12	10	19	199	
* Days with .04 in. or more.	22.	26	19	15	9	13	12	6	15	11	10	19	177	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) R. Ashton [P.T.O.

Pd.

John Jones Esq

42375

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 709325/26

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Penybont Cottage, Elan Valley

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

„ Ground „ Sea Level 900 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the **Notes and Instructions Overleaf**

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·17	·03	-	·04	1·28	-	·15	-	·39	·17	·54		1
2	-	·12	-	·44	·04	·35	·10	-	-	·47	·06	·21		2
3	-	-	-	-	-	·04	·09	-	-	1·51	·03	-		3
4	·03	-	-	·03	-	-	·42	·30	-	·53	·30	·71		4
5	·03	-	-	-	-	·09	·18	·03	·24	·91	-	·45		5
6	·46	-	-	-	-	·51	·82	-	·13	·90	·04	·46		6
7	·50	-	-	-	-	-	·52	·60	·03	·48	-	·20		7
8	·23	·09	·03	-	-	-	·24	·12	-	1·00	-	·28		8
9	·30	·26	·05	-	-	·45	·09	·18	-	·08	-	·92		9
10	·37	-	-	-	-	-	·81	·46	-	·24	-	·48		10
11	1·16	·15	-	-	-	·05	·03	-	-	·20	·60	·49		11
12	·56	-	-	-	·25	-	-	-	-	·60	1·96	·08		12
13	-	-	-	-	·08	-	-	-	·08	·17	·26	·35		13
14	1·72	-	-	-	·21	-	·14	-	-	-	·03	·03		14
15	·62	-	·06	-	1·03	-	·20	·07	-	·13	·11	1·02		15
16	·42	-	-	-	·13	-	-	·10	-	·09	·12	-		16
17	-	-	-	-	-	-	-	-	·26	·37	-	·06		17
18	·22	-	-	-	-	·05	-	·70	·12	·18	·75	-		18
19	·12	-	-	-	-	-	-	·16	·06	-	·55	·01		19
20	·21	-	·16	-	-	-	-	·22	·03	-	·38	-		20
21	-	-	·04	-	-	-	-	·20	·05	-	·39	·01		21
22	·03	-	-	·12	-	·12		·04	-	·03	·63	·04		22
23	·02	-	-	·04	·13	·08	-	-	·08	-	·25	·01		23
24	·38	·10	·48	·02	·09	·08	·02	·25	-	·09	·16	-		24
25	·13	·24	-	-	·04	-	·10	·13	-	·31	1·75	·07		25
26	·75	1·50	·36	-	·24	·68	-	-	-	·43	·03	-		26
27	·78	·61	·02	-	·70	·10	·82	·18	·18	·08	·66	-		27
28	·68	·48	-	-	-	·85	·22	·08	·08	-	·20	-		28
29	·61		·07	-	·67	·02	·09	-	·04	·12	·27	·48		29
30	·32	✕	-	-	·13	·11	·02	·13	·36	·02	·46	·33		30
31	·40	✕	-	✕	·26	✕	-	-	✕	·52	✕	·62		31
													Year's Total	
TOTAL	11·05	3·72	1·30	·65	4·04	4·86	4·91	4·10	1·74	9·85	10·16	7·85	64·23	# ✓
* Days with .01 in. or more.	25	10	10	5	15	16	18	19	14	25	24	23	204	# ✓
* Days with .04 in. or more.	21	10	7	3	15	15	15	18	12	23	21	19	179	# ✓

† Spare column, no entries required.

*See Instruction 3 (f) on other side.

(*Signed*) Rich: Ash

[P.T.O.

4232/5

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Penygbnt Cottage,

In the County of Radnor

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* — *in.*
- *Height of Ground above Sea Level* 900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	10·01				
FEB.	7·10				
MAR.	3·75				
APRIL	4·49				
MAY	1·40				
JUNE	2·74				
JULY	9·86				
AUG.	4·17				
SEPT.	·98				
OCT.	3·84				
NOV.	15·07				
DEC.	5·35				
TOTAL	68·76				

Signature R. Ashton

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
R. Ashton,
Elan Estate Office, Rhayader, Rads

Hour of observation by the clock—in Winter 9 in Summer 9

Nearest Railway Station Rhayader Distance 7½ Direction from gauge ENE

Nearest Parish Church at Cwmdauddwr Distance 7½ Direction from gauge ENE

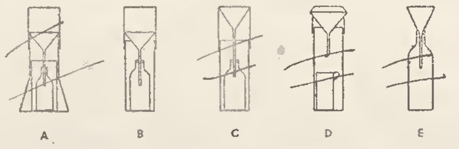
Nature of objects nearest to gauge	House			
Height of objects	20 ft			
Distances ...	20 ft			
Directions from gauge ...	SW			

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

M.O. 7
15 JAN. 1940

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

4233

Section **A** for the entry of

AIR MINISTRY

PY FOR OFFICIAL USE.

ORGANIZATION.

FORM 1090.

REGIST

Kept at TYNANT

in the County of RADN

Diameter of Funnel of Gauge 5

Height of top of Gauge above Ground

,, Ground ,, Sea Le

THE MORNING MEASUR

An observer who does not conform to th
year in the space on the right of this

F

wing

Jan. 1, following

4233

TYNANT

1931 — 40

780803

Date	Jan.	Feb.	March	A						Nov.	Dec.	Date
	in.	in.	in.							in.	in.	
1	·14	–	–	·11	–	·03	·01	–	·47	·30	–	–	1
2	·01	·11	–	·49	·52	·01	–	·02	1·10	·10	1·05	·65	2
3	·24	–	·01	–	–	–	·16	–	·38	·02	3·82	·34	3
4	–	–	·12	·51	·35	–	·06	·26	·24	·02	·06	·45	4
5	–	·18	–	·44	·04	1·10	·02	·03	–	–	·02	·51	5
6	–	·10	–	·18	·09	·04	·16	–	·04	·61	·20	·09	6
7	–	·04	–	–	·03	·15	·04	·33	–	·27	·15	·18	7
8	·10	·30	–	·16	–	·49	·12	·27	–	·09	·18	·16	8
9	–	1·19	–	·03	–	·11	–	·04	–	·37	·56	·09	9
10	·02	·22	–	–	·21	·33	·03	·26	·04	–	·95	–	10
11	·88	·61	·08	·01	·04	·07	·22	·10	·53	–	·54	–	11
12	·01	·56	–	·01	–	–	·75	·01	·08	·11	·12	–	12
13	–	·15	·21	–	·36	·03	·16	·26	–	–	·01	·03	13
14	·17	·28	·06	–	·17	·46	·35	·85	·03	–	·65	·02	14
15	·29	·51	–	·27	·12	·03	·30	·42	–	–	–	·04	15
16	1·07	·28	–	·87	·02	·40	·06	·80	·15	–	–	·02	16
17	·08	·08	–	·11	·39	·18	·35	–	–	–	·02	–	17
18	·86	–	·01	·05	·13	·28	·43	·20	–	–	·20	–	18
19	·26	·23	–	·15	–	·08	·09	·70	–	–	·06	·03	19
20	–	·35	·20	–	–	·02	–	·53	·02	–	·09	·03	20
21	·70	·07	–	·01	·40	·05	·07	·06	–	–	·16	–	21
22	·77	·17	·15	·09	·13	·01	·17	·04	–	–	·01	–	22
23	·45	·03	–	·42	·17	·03	·33	–	–	–	·78	·41	23
24	·15	·32	–	·56	·14	–	·23	–	–	–	·38	·34	24
25	·47	1·32	–	·54	·07	–	·07	–	–	–	·16	·44	25
26	·03	·31	–	·31	–	–	·18	–	–	–	·80	·05	26
27	·32	·86	·10	·08	1·72	–	·34	–	–	·51	·55	·15	27
28	·85	·60	·35	·08	·34	–	·08	–	–	·01	–	·66	28
29	·42	×	·31	–	·02	–	·49	–	·01	·53	·14	·04	29
30	·10	×	–	·07	–	–	·04	–	·09	–	–	·01	30
31	·84	×	–	×	·30	×	–	–	×	·01	×	·13	31
TOTAL	9·23	8·87	1·60	5·55	5·76	3·90	5·31	5·18	3·18	2·95	11·66	4·87	YEAR'S TOTAL 68·06
*Days with ·01 in. or more.	24	24	11	23	22	20	27	18	13	13	25	23	243
*Days with ·04 in. or more.	20	23	9	19	19	13	24	15	10	9	21	17	199

40-9999

*See Instruction 2 (f) on other side.

(Signed) J. M. Wilkinson [P.T.O.

Chief Engineer.
City of Birmingham Water Dept.

4233

Section A for the entry of PY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at TYNANT

in the County of RADNOR

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 1020 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·14	–	–	·11	–	·03	·01	–	·47	·30	–	–	1
2	·01	·11	–	·49	·52	·01	–	·02	1·10	·10	1·05	·65	2
3	·24	–	·01	–	–	–	·16	–	·38	·02	3·82	·34	3
4	–	–	·12	·51	·35	–	·06	·26	·24	·02	·06	·45	4
5	–	·18	–	·44	·04	1·10	·02	·03	–	–	·02	·51	5
6	–	·10	–	·18	·09	·04	·16	–	·04	·61	·20	·09	6
7	–	·04	–	–	·03	·15	·04	·33	–	·27	·15	·18	7
8	·10	·30	–	·16	–	·49	·12	·27	–	·09	·18	·16	8
9	–	1·19	–	·03	–	·11	–	·04	–	·37	·56	·09	9
10	·02	·22	–	–	·21	·33	·03	·26	·04	–	·95	–	10
11	·88	·61	·08	·01	·04	·07	·22	·10	·53	–	·54	–	11
12	·01	·56	–	·01	–	–	·75	·01	·08	·11	·12	–	12
13	–	·15	·21	–	·36	·03	·16	·26	–	–	·01	·03	13
14	·17	·28	·06	–	·17	·46	·35	·85	·03	–	·65	·02	14
15	·29	·51	–	·27	·12	·03	·30	·42	–	–	–	·04	15
16	1·07	·28	–	·87	·02	·40	·06	·80	·15	–	–	·02	16
17	·08	·08	–	·11	·39	·18	·35	–	–	–	·02	–	17
18	·86	–	·01	·05	·13	·28	·43	·20	–	–	·20	–	18
19	·26	·23	–	·15	–	·08	·09	·70	–	–	·06	·03	19
20	–	·35	·20	–	–	·02	–	·53	·02	–	·09	·03	20
21	·70	·07	–	·01	·40	·05	·07	·06	–	–	·16	–	21
22	·77	·17	·15	·09	·13	·01	·17	·04	–	–	·01	–	22
23	·45	·03	–	·42	·17	·03	·33	–	–	–	·78	·41	23
24	·15	·32	–	·56	·14	–	·23	–	–	–	·38	·34	24
25	·47	1·32	–	·54	·07	–	·07	–	–	–	·16	·44	25
26	·03	·31	–	·31	–	–	·18	–	–	–	·80	·05	26
27	·32	·86	·10	·08	1·72	–	·34	–	–	·51	·55	·15	27
28	·85	·60	·35	·08	·34	–	·08	–	–	·01	–	·66	28
29	·42	×	·31	–	·02	–	·49	–	·01	·53	·14	·04	29
30	·10	×	–	·07	–	–	·04	–	·09	–	–	·01	30
31	·84	×	–	×	·30	×	–	–	×	·01	×	·13	31
TOTAL	9·23	8·87	1·60	5·55	5·76	3·90	5·31	5·18	3·18	2·95	11·66	4·87	YEAR'S TOTAL 68·06
*Days with ·01 in. or more.	24	24	11	23	22	20	27	18	13	13	25	23	243
*Days with ·04 in. or more.	20	23	9	19	19	13	24	15	10	9	21	17	199

40-9999 M

*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson [P.T.O.

Chief Engineer.
City of Birmingham Water Dept.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4233

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Tynant
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level 1020 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·66	-	-	·57	1·58	·04	·37	·27	·73	·03	·18	·41	1
2	·53	-	-	·01	·20	-	-	·07	1·21	·16	·25	·55	2
3	·08	-	-	·22	-	-	·35	-	·01	·09	·15	·16	3
4	·26	-	-	·23	-	-	·21	-	-	·03	·47	·01	4
5	1·60	-	·12	·33	·02	-	-	·01	·31	-	-	-	5
6	1·03	-	·44	·90	·03	-	·36	·01	·28	·08	-	-	6
7	·15	-	·75	·14	·10	-	·07	-	·73	2·02	-	-	7
8	·05	-	·19	·33	·04	-	-	·01	·10	·16	-	-	8
9	2·04	·06	-	·34	·34	-	-	-	-	-	·01	-	9
10	·65	-	-	·49	·05	-	-	-	·45	·60	-	-	10
11	·43	·01	-	·14	·29	·47	·75	-	·05	·03	·01	-	11
12	·72	-	-	·02	·50	-	·01	·01	·53	·60	-	·01	12
13	·17	·05	-	·23	·01	-	·84	·25	·52	·43	·07	·35	13
14	·57	·02	-	·28	·02	-	-	·05	·01	·27	·14	·08	14
15	·12	-	-	·01	·30	-	-	-	-	·21	·02	·05	15
16	1·20	-	-	·20	-	-	·22	·01	-	·03	-	·10	16
17	·03	-	-	-	-	-	·03	-	·01	·62	-	·17	17
18	·01	-	-	-	·43	-	-	-	·01	-	·34	·02	18
19	-	-	-	·18	·35	-	-	-	-	·36	·01	·01	19
20	-	-	-	·21	·32	-	·03	·26	-	·58	·20	·25	20
21	-	·01	·15	·20	·02	-	-	·25	-	1·81	·30	·25	21
22	·02	-	·06	·16	·02	-	·10	-	·51	·56	1·23	·49	22
23	-	·02	-	·09	·04	-	·03	-	·05	·10	·77	·41	23
24	·06	-	-	·02	·07	·03	·10	-	·20	·04	·21	·02	24
25	-	·01	-	·03	·02	·04	·30	-	·26	1·12	·49	-	25
26	-	-	·19	·35	·07	-	·25	-	·09	·33	·14	-	26
27	-	·01	·97	·33	·11	-	·37	-	-	·24	·45	·02	27
28	-	-	·61	·08	·21	·01	·60	·01	-	·01	·05	·02	28
29	-	-	·91	·35	·15	·22	·15	·38	·20	1·60	·64	·67	29
30	-	X	·32	33	·04	1·15	·09	·03	·02	·83	·70	·04	30
31	-	X	·05	X	-	X	·65	·01	X	·02	X	·62	31
TOTAL	10·38	·19	4·76	6·77	5·33	1·96	5·88	1·63	6·28	12·96	6·83	4·71	YEAR'S TOTAL 67·68
*Days with ·01 in. or more.	20	8	12	28	26	7	21	15	21	28	22	22	230
*Days with .04 in. or more.	17	2	12	23	19	5	17	7	16	22	18	15	173

40-9999 M

*See Instruction 2 (*f*) on other side.

(Signed) J. M. Wilkinson Chief Engineer
City of Birmingham Water Dept.

P.T.O.

4233

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Birmingham W.W., Tynant

in the County of Radnor

Diameter of Funnel of Gauge.......in.

Height of top of Gauge above Ground.......ft.......in.

„ Ground „ Sea Level.......ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·52	1·38	·13	–	–	·05	·	–	·06	·08	·31	1·17	1
2	1·46	–	·32	–	·21	·24	·	–	–	–	·05	·01	2
3	·23	·77	·29	–	·09	–	·	–	–	–	·01	–	3
4	1·10	·35	·01	–	·09	–	·	–	–	–	–	–	4
5	·29	·49	·66	–	·34	–	·	–	–	–	–	–	5
6		·50	·11	–	·38	–	·	–	–	·07	–	–	6
7	1·18	1·10	·01	–	–	·04	·23	·03	–	·99	–	·02	7
8	1·02	·11	·09	–	·38	–	·73	–	–	·01	–	–	8
9		·12	–	–	·23	·12	·79	·05	–	1·58	·21	–	9
10	·22	·05	–	–	·01	·05	·61	·06	–	1·97	·13	–	10
11			–	–	–	·10	1·34	·02	–	·33	–	·02	11
12	·07		–	–	·02	–	·26	–	–	·08	–	·03	12
13			–	–	·06	·02	·35	·07	–	·30	·32	·01	13
14	·40		·01	–	–	–	·23	·06	–	–	·24	–	14
15	·11		·25	–	–	·04	·34	·07	–	·16	·03	·04	15
16	·02	·02	·45	–	–	·24	·01	·04	–	·54	–	–	16
17	·01	·18	·45	–	–	·68	·14	06	·13	–	·03	–	17
18	·40	·02	·36	–	–	1·12	·	·02	–	–	·04	–	18
19		·01	·66	–	–	·04	·	·16	·37	·01	·66	–	19
20		·24	·14	–	·01	1·02	·	·41	·21	–	–	–	20
21		·07	–	–	·06	·21	·	·30	–	·09	–	·01	21
22			–	·10	·01	·02	·	·30	·25	·11	·01	–	22
23		·48	–	·23	–	·16	·	·01	·05	·22	–	–	23
24		·39	–	·15	·06	·71	·	–	·05	·13	–	–	24
25		·51	–	·04	·06	·17	·	–	·04	–	–	·04	25
26		·64	–	·14	·11	–	·	–	·06	·65	–	·01	26
27		·20	–	·03	·02	–	·	–	·01	·06	–	·12	27
28	·01	·11	–	·27	–	–	·05	·29	–	·13	–	·01	28
29	·08	×	·03	·09	–	–	·06	02	–	·01	–	·06	29
30	·01	✕	·23	·03	–	–	·20	–	·10	·17	–	·34	30
31	·80	✕	·42	✕	–	✕	·02	–	✕	·29	✕	·01	31
TOTAL	7·93	7·74	4·62	1·08	2·14	5·03	5·36	1·97	1·33	7·98	2·04	1·90	YEAR'S TOTAL 49·12
*Days with ·01 in. or more.	18	21	18	9	17	18	15	17	11	22	12	15	193
*Days with ·04 in. or more.	14	18	14	7	12	16	13	12	10	19	8	6	149

Feby. Unable to reach gauge from 23rd to 28th owing to snow drifts.

40-9999

*See Instruction 2 (*f*) on other side.

D M

(Signed) J. M. Atkinson [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4233

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 109

REGISTER OF RAINFALL IN 1934.

Kept at Birmingham W.W. Lynant

in the County of Radnor

Diameter of Funnel of Gauge..........in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·16	–	·04	–	–	–	–	·76	·17	·39	·92	·36	1
2	–	–	·12	–	–	–	–	1·15	·33	·02	·28	·90	2
3	·17	–	·04	–	·30	–	–	·04	·31	·58	·05	·57	3
4	·39	–	·73	·17	·19	–	–	·09	·04	·80	·08	·68	4
5	·11	–	·36	·03	·57	–	–	·98	–	·04	·03	·15	5
6	·31	–	·05	·02	1·13	·01	–	·02	·04	·38	–	·35	6
7	·68	–	–	–	–	–	–	·05	·02	·23	·14	·95	7
8	–	–	–	·01	·12	–	–	·04	·18	·15	·50	1·17	8
9	·03	·05	·41	·01	–	–	–	·14	·06	·02	·42	·31	9
10	·75	·01	·42	·27	–	–	–	·45	·01	·20	·03	·01	10
11	1·07	–	·16	·72	–	–	·03	·69	·01	–	–	·09	11
12	·03	–	·01	·13	–	–	·19	·20	–	·03	–	·17	12
13	1·37	–	–	·79	–	·01	–	–	–	·26	–	·10	13
14	·21	–	1·19	·05	–	·11	–	–	–	·55	·06	·61	14
15	·34	–	1·88	·02	·57	–	·10	·08	·35	·49	·11	·62	15
16	·69	–	·68	·03	·09	–	–	·04	·17	·08	·09	·13	16
17	·45	–	·65	·45	·22	–	·40	–	·39	·07	–	·65	17
18	·42	–	·09	·28	·01	·16	·01	·09	·18	·01	–	·60	18
19	–	–	·29	–	·04	·25	–	·13	·55	·10	–	·88	19
20	–	–	·01	·15	·08	·06	–	·04	·08	·30	·02	·02	20
21	·01	–	·05	·03	·04	·17	·15	·12	·04	·40	·01	·03	21
22	·02	–	·05	·01	·06	–	–	·42	·50	·24	·01	·23	22
23	–	–	·09	·51	·01	·56	–	·02	·05	·02	·01	·01	23
24	–	·49	·04	·11	–	·07	·01	–	·18	·13	–	–	24
25	·41	·01	·01	·26	·06	·09	·01	–	·19	1·03	–	1·01	25
26	·07	–	·05	·09	–	·38	·18	–	·47	·08	·21	·10	26
27	·01	–	–	·09	–	·55	·04	·05	·04	·32	·01	·44	27
28	–	–	–	·76	–	·03	·37	·36	·20	·17	·03	·61	28
29	–	×	–	–	–		·98	·40	·27	·38	·03	·28	29
30	·03	×	–	–	–		·03	·45	·44	·13	–	·45	30
31	·01	×	–	×	–	×	·32	·09	×	·20	×	·62	31
TOTAL	7·74	0·56	7·42	4·99	3·49	2·45	2·82	6·90	5·27	7·80	3·04	13·10	YEAR'S TOTAL 65·58
*Days with ·01 in. or more.	23	4	23	23	15	13	14	25	26	30	20	30	246
*Days with .04 in. or more.	16	2	20	15	13	10	9	23	23	25	11	26	193

40-9999
*See Instruction 2 (*f*) on other side,

M

(Signed) J. M. Wilkinson M.Inst.C.E. P.T.O.
Chief Engineer. City of Birmingham Water Dept.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4233

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Birmingham W.W., Rhayader

in the County of Radnor

Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·28	·11	·21	·03	–	·04	·02	–	·75	·42	·03	·71		1
2	–	·17	·03	–	·02	·02	·03	–	·06	·16	·11	·55		2
3	·07	·62	·20	·30	–	·04	·28	–	·16	·17	·45	·34		3
4	·01	·03	·15	·23	–	·10	·07	–	·35	·28	·06	·16		4
5	·02	·93	·31	·25	–	·02	·17	–	·01	–	·18	·12		5
6	–	–	·01	·46	–	·80	–	–	–	–	·07	·31		6
7	–	–	–	·48	–	·96	–	–	–	·45	–	·31		7
8	·03	–	–	·31	–	·05	–	–	–	·36	·17	·37		8
9	·05	·01	–	·89	–	·16	–	–	–	1·30	·16	–		9
10	·03	·01	–	·90	–	·05	–	–	–	·74	·05	–		10
11	·78	·32	–	–	–	·47	–	·07	–	·24	·71	–		11
12	·07	·20	–	–	–	·42	–	·06	·07	·01	·37	–		12
13	·52	·26	–	·15	·03	·01	–	–	·70	·15	·31	–		13
14	·01	·03	–	·14	·02	·06	–	–	·50	·02	·84	·25		14
15	–	1·94	–	·59	·13	·10	–	·15	·24	·22	·43	·32		15
16	–	·56	·01	·44	·03	·01	·12	·02	2·21	·33	·80	·56		16
17	–	·03	–	·88	·69	·23	·10	·14	·21	·04	·55	–		17
18	–	·16	–	·70	·09	·13	–	·19	1·07	·47	·15	–		18
19	–	·26	–	·05	·58	·70	·30	–	·30	·52	·17	–		19
20	–	1·33	–	·36	·25	·09	·11	–	·01	·02	·78	–		20
21	–	1·09	·01	·22	–	–	–	–	·22	·22	·18	–		21
22	–	·07	·10	·07	–	–	–	–	·31	·05	–	–		22
23	·06	·14	1·68	·30	–	·01	–	·02	·31	·27	–	·08		23
24	·92	·90	·07	–	–	·12	–	–	1·47	·18	–	·40		24
25	·89	·07	·05	·05	–	·82	–	–	–	·01	·02	·18		25
26	·02	·29	·01	–	–	·03	·02	1·31	·45	·08	·14	·38		26
27	–	·27	–	–	·02	·01	·32	·14	·89	1·43	·61	·03		27
28	·10	·16	–	–	·03	–	–	·32	·19	1·13	·57	·02		28
29	·01	X	–	–	–	–	–	·03	·30	·37	·73	·54		29
30	·05	X	–	·08	–	·13	–	·07	·83	·93	1·23	·49		30
31	·02	X	–	X	·34	X	–	–	X	·55	X	·40		31
TOTAL	3·94	9·96	2·84	7·88	2·23	5·58	1·54	2·52	11·61	11·12	9·87	6·52	Year's Total 75·61	
*Days with ·01 in. or more.	19	25	13	22	12	26	11	12	23	29	26	20	238	
*Days with ·04 in. or more.	11	20	8	21	6	19	8	9	21	25	24	18	190	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(Signed) J. M. Wilkinson M.Inst.C.E.
Chief Engineer.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4233

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 10

REGISTER OF RAINFALL IN 1936.

Kept at Birmingham W.W., Tynant

in the County of Radnor

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·34	·28	·02	·35	–	·41	·04	·06	·05	–	·34	1·11		1
2	·14	·06	–	·14	–	·40	·03	·07	·12	–	·07	·42		2
3	·02	·08	·02	–	–	·11	·03	·19	·60	–	·01	·32		3
4	·16	–	·26	–	–	·15	–	·09	1·01	–	·53	·46		4
5	·52	·03	·35	–	·06	–	·06	·30	·39	–	·04	·79		5
6	·47	–	·03	–	–	·02	·24	·08	·18	–	·94	·12		6
7	·02	–	·13	–	–	–	·09	–	1·12	–	·96	·14		7
8	·52	–	·18	–	–	–	·27	–	·17	–	1·26	·16		8
9	1·69	–	·01	–	–	·01	·79	–	·14	·02	·50	–		9
10	·04	·07	–	–	–	·01	·11	–	–	–	·05	–		10
11	–	·10	–	·06	·01	·07	·10	·10	·14	–	·95	·10		11
12	–	–	–	·04	·08	·14	1·14	·03	·34	·05	·08	·42		12
13	–	–	–	·09	·04	·01	·03	–	–	·49	·03	2·93		13
14	–	–	–	·08	–	·30	·24	–	·47	·18	·16	1·36		14
15	·05	·01	–	·07	·69	·07	·05	–	–	–	·68	·67		15
16	·07	·08	–	·10	·47	·02	·09	–	–	·04	·79	·16		16
17	·41	1·15	–	·03	·12	·02	1·13	–	–	·69	·22	·98		17
18	–	·52	–	·04	–	–	1·19	·07	–	·85	–	·28		18
19	·65	·06	·12	·61	–	·26	·13	·12	–	·31	–	·01		19
20	·27	·31	·11	–	–	1·47	·01	·03	–	·02	–	·10		20
21	·08	–	·03	1·07	–	2·13	–	–	–	·02	–	·09		21
22	·21	·23	·60	·01	·09	·02	·41	–	–	·02	–	·09		22
23	·04	·29	·17	·26	·06	–	·51	–	–	·15	–	–		23
24	·34	·03	–	·08	·05	–	·01	–	·33	·87	·01	–		24
25	·29	·01	·07	1·02	–	–	·49	–	·36	·47	–	·01		25
26	·38	·24	·34	·01	–	–	·07	–	–	·47	·03	–		26
27	·40	·18	·08	–	–	–	·07	–	·18	·49	–	–		27
28	·46	·14	·43	·02	–	·32	·23	–	–	·02	·02	·18		28
29	·15	·12	·52	–	·07	·71	·01	–	–	·06	·20	·31		29
30	·06	×	·03	–	·12	·20	·40	–	–	1·08	·10	·08		30
31	·77	×	·23	×	·30	×	·13	–	×	–	×	1·15		31
TOTAL	8·55	3·99	3·73	4·08	2·16	6·85	8·10	1·14	5·60	6·30	8·02	12·44	Year's Total. 70·96	✓
* Days with .01 in. or more.	26	20	20	18	13	21	29	11	15	19	22	25	239	
* Days with .04 in. or more.	24	16	14	14	12	14	23	9	15	14	18	23	196	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. W. Wilkinson [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4233

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Birmingham W.W., Tynant

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·35	·21	·01	·08	–	–	·09	–	·31	·14	–	·20		1
2	·54	·70	–	·10	–	–	–	–	·06	–	–	·97		2
3	·11	·73	–	–	·28	·29	·12	–	·05	–	–	·03		3
4	·57	·15	·01	·13	·08	·04	–	·12	–	–	–	1·37		4
5	2·09	–	·06	·12	–	–	·12	–	–	–	–	·10		5
6	1·41	·07	·30	·24	·31	·04	·01	–	·05	–	·04	–		6
7	–	·93	·09	·28	–	·13	–	–	·21	–	·02	–		7
8	–	·42	–	–	·11	·09	·06	–	·02	·05	·26	–		8
9	·03	·17	–	·18	·03	·07	·22	·01	·37	–	–	–		9
10	·20	·06	·25	·04	–	·05	–	–	·01	–	–	·66		10
11	·17	·02	·70	·02	·21	·41	·16	·19	–	–	–	·08		11
12	1·25	·43	·16	–	·01	·26	·05	·03	·32	–	–	·39		12
13	·17	·08	·15	·45	–	·12	–	·04	·27	–	–	·37		13
14	–	·19	·11	·08	–	–	–	·02	·22	–	·04	·11		14
15	·80	·66	·04	·40	–	–	·46	·01	·27	–	–	·38		15
16	·17	·08	·93	1·14	–	–	·03	·28	·10	–	–	–		16
17	·81	·23	·54	·27	–	–	–	–	·95	–	·03	–		17
18	·49	·36	·38	–	–	·05	·11	·07	·11	–	·18	·19		18
19	·07	·62	·07	·49	·03	·07	·13	–	–	–	·23	·01		19
20	·77	·60	·16	·76	·01	·04	·03	–	·01	–	–	·20		20
21	·82	·43	·09	·66	·07	–	·42	–	·01	·16	–	·08		21
22	·48	·12	·03	·04	·38	–	·77	–	–	·51	·35	·33		22
23	·22	·19	·01	–	·49	–	·10	–	–	·51	·18	·04		23
24	·72	·46	·43	–	·03	–	·14	–	·07	·49	–	·13		24
25	–	·78	–	–	–	–	·01	–	·04	·21	–	·05		25
26	–	·69	·09	–	·16	–	–	–	–	·04	–	·01		26
27	–	·69	–	·01	·05	–	–	–	–	·63	–	–		27
28	–	·35	–	–	–	·07	–	–	–	·02	–	·01		28
29	·05	×	–	–	–	·05	–	–	–	·97	·16	–		29
30	·35		–	–	–	·28	–	·28	·21	·11	·37	–		30
31	·46		–		–		–	·04		·49		–		31
TOTAL	13·10	11·02	4·01	5·49	2·25	2·06	3·03	1·09	3·66	4·33	1·86	5·71	Year's Total 58·21	
* Days with .01 in. or more.	24	27	21	19	15	16	18	11	20	13	11	21	216	
* Days with .04 in. or more.	23	26	17	17	10	16	14	7	16	12	9	17	184	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. M. Wilkinson [P.T.O.

M. Inst. C.E.

COPY FOR OFFICIAL USE

Sec[illegible] **A** for the entry of Daily Observations

Station No. 4233

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Birmingham W.W., Tynant

in the County of Radnor

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·19	·02	-	-	1·38	-	·26	-	·36	·10	·55		1
2	-	·19	-	·55	·06	·43	·12	·02	-	·52	·11	·22		2
3	-	-	-	·03	·08	·07	·11	-	·02	1·56	·04	·02		3
4	·01	-	·01	·04	-	·02	·44	·35	-	·47	·35	·78		4
5	·03	·02	-	·07	-	·10	·08	·04	·21	·86	·01	·47		5
6	·58	·02	-	-	-	·69	·91	-	·21	1·02	·05	·52		6
7	·52	-	·01	-	-	·	·26	·60	·04	·45	-	·16		7
8	·28	·04	-	-	-	·	·35	·10	-	1·45	-	·46		8
9	·54	·38	·09	-	-	·53	·10	·25	-	·08	-	·94		9
10	·23	·04	-	-	-	·02	·97	·46	-	·25	-	·43		10
11	1·27	·14	-	-	-	·02	·03	·01	·01	·22	·69	·47		11
12	·61	·03	-	-	·28	·04	·01	-	-	·69	2·10	·08		12
13	·05	-	-	-	·11	·	-	-	·05	·22	·38	·41		13
14	1·96	-	-	-	·20	·	·16	-	·09	-	·03	·01		14
15	·55	-	·06	-	·97	·	·02	·08	-	·03	·12	1·02		15
16	·61	-	·05	-	·02	·	-	·11	-	·24	·09	·02		16
17	-	·03	-	-	-	·	·08	-	·24	·40	·02	·03		17
18	·26	-	-	-	-	·02	-	·73	·17	·19	·74	·		18
19	·12	-	-	-	-	·	-	·28	·07	-	·59	·01		19
20	·26	-	·15	-	-	·	-	·18	·04	-	·49	·02		20
21	·01	-	·01	-	-	·	-	·23	·09	-	·41	·04		21
22	·02	-	-	·05	-	·13	-	·08	·03	·02	·57	·01		22
23	·05	-	-	·03	·17	·10	-	·01	·03	-	·35	·		23
24	·26	·09	·52	·02	·15	·07	·02	·22	·01	·04	·14	·		24
25	·27	·28	·06	-	·06	·05	·23	·19	-	·33	1·76	·08		25
26	·97	1·83	·38	-	·23	·68	·01	-	-	·41	·03	·05		26
27	·88	·67	·06	-	·65	·21	·82	·18	·15	·05	·59	·		27
28	·76	·52	·02	-	·02	·98	·22	·08	·08	-	·28	·01		28
29	·66	×	·12	-	·06	·03	·18	-	·26	·13	·29	·63		29
30	·41	×	-	-	·07	·08	·06	-	·33	·02	·46	·43		30
31	·48	×	-	×	·38	×	·03	·10	×	·58	×	·72		31
TOTAL	12·65	4·47	1·56	0·79	4·11	5·65	5·21	4·56	1·93	10·59	10·73	8·59	Year's Total 70·84	
* Days with ·01 in. or more.	27	15	14	7	16	20	22	22	19	25	26	27	240	
* Days with ·04 in. or more.	23	11	9	4	14	15	16	19	14	22	22	19	188	

† Spare column, no entries required.

(Signed) J. M. Wilkinson
M. Inst. C.E.

P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4233

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

Form 1090

REGISTER OF RAINFALL IN 1939.

Kept at Birmingham W.W., Lynant

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	-	·80	·41	·02	-	-	·28	-	·02	·06	·64		1
2	·03	-	·10	·04	-	-	·02	·49	·27	-	·08	·08		2
3	·26	-	·21	·51	-	-	·01	·23	·08	-	·05	·90		3
4	·08	-	·40	·58	·27	-	·48	-	·01	·26	·31	1·04		4
5	-	-	-	·14	-	-	·23	-	-	·20	·89	·01		5
6	·92	·04	·13	-	-	-	1·16	·08	-	·02	·40	-		6
7	·19	·22	·15	-	-	-	·75	·10	-	-	·82	·51		7
8	·28	·84	·61	-	·12	-	·55	·10	-	·49	1·59	·07		8
9	·13	·58	·01	-	-	-	·02	·62	-	·15	·04	·49		9
10	1·08	·01	·02	-	-	·05	-	·09	·39	·66	·01	1·19		10
11	·10	·25	·20	-	-	·02	-	·03	-	·14	-	·02		11
12	·42	·14	-	·21	-	·02	-	-	·19	·07	·01	-		12
13	-	·05	-	·45	·06	·01	·42	-	·04	·02	·09	-		13
14	1·40	·02	·01	·13	·17	·29	·20	-	-	·06	·52	-		14
15	·98	·14	·05	·48	·10	·69	·21	-	-	·02	·32	-		15
16	·43	·02	·04	·10	·24	·05	·03	-	-	-	·98	-		16
17	·94	·30	-	·14	-	·42	·02	-	-	·04	·23	-		17
18	·37	·27	·03	-	-	·21	·35	-	-	·01	1·33	-		18
19	·20	·01	·01	-	-	-	·34	·06	-	-	·01	-		19
20	·25	·05	·01	-	·02	-	·24	·19	-	-	-	·02		20
21	·20	·72	·72	·25	·29	·09	·55	·56	·02	-	-	-		21
22	·90	1·40	·44	·23	·01	·17	·10	-	-	-	1·16	-		22
23	·55	·64	·04	·69	-	·03	·36	-	-	·52	·41	-		23
24	·18	·15	·02	·08	-	·04	·11	-	-	·24	·03	-		24
25	·68	·37	·02	·01	-	·03	·10	-	-	·24	2·88	·05		25
26	·02	·12	-	·06	-	-	-	·11	-	·09	·98	-		26
27	-	·86	·07	-	-	·27	·16	·19	-	-	·22	·06		27
28	·02	·86	·05	·03	-	·38	·60	·24	-	-	·81	·06		28
29	-	×	-	·11	-	·15	1·63	-	-	·08	1·53	-		29
30	-	✕	-	·10	-	·11	·37	·01	-	·03	·15	·32		30
31	-	✕	-	✕	-	✕	·19	·12	✕	·19	✕	·03		31
TOTAL	10·66	8·06	4·14	4·75	1·30	3·03	9·20	3·50	1·00	3·55	15·91	5·49	Year's Total 70·59	
* Days with .01 in. or more.	25	23	23	20	10	18	26	17	7	21	27	16	233	
* Days with .04 in. or more.	22	19	15	18	7	13	21	15	5	15	23	12	185	

† Spare column, no entries required.

(*Signed*) J. W. Wilkinson. P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4233

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

Kept at Birmingham W.W. Lyrant

in the County of Radnor

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

TRAVELLING FORM.

VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	·20	·10	–	–	–	–	–	·58	·02		1
2	–	·02	–	·22	–	–	·21	–	–	–	2·87	·12		2
3	–	·50	–	·20	–	–	·07	–	–	·03	·90	·13		3
4	–	·11	–	·07	–	–	·01	–	–	·18	·16	·22		4
5	–	·03	–	–	·09	–	·15	–	·01	1·20	1·05	·42		5
6	·22	·32	–	–	–	–	·05	–	–	·86	·12	·36		6
7	·04	·69	–	·05	·02	–	·16	·02	·17	·47	·01	·23		7
8	–	–	–	–	–	–	·12	–	·01	·67	·08	·59		8
9	–	–	–	·03	–	–	1·12	·36	·33	·64	·86	·69		9
10	–	–	·13	–	–	–	·17	·19	·24	·30	·23	·78		10
11	–	–	·03	·09	–	–	2·20	·01	–	–	2·26	·27		11
12	–	–	·32	–	–	·10	·66	·01	·49	–	·76	·01		12
13	–	·10	·26	–	–	–	·12	·14	·30	–	·16	·35		13
14	–	·03	·08	·47	–	–	·17	·06	·26	·61	·18	·76		14
15	·02	–	·22	·19	·85	·02	·01	–	·15	·51	·45	·11		15
16	·02	·34	·25	·01	–	–	·20	–	1·22	·20	·70	·13		16
17	·02	·01	·53	–	–	–	·36	–	·22	·01	·22	–		17
18	·35	·79	·77	·35	–	–	·01	·20	·40	–	·02	·50		18
19	·03	·15	·40	·15	–	–	·40	–	·02	–	·29	·01		19
20	–	–	·03	·19	–	–	·81	·29	–	·24	·10	–		20
21	–	–	·08	·01	·22	·24	·23	·03	–	–	1·63	–		21
22	–	·05	·07	·09	·02	·09	–	·09	·10	–	·02	–		22
23	–	·16	·05	·16	·18	·01	·03	–	·20	–	·12	–		23
24	·10	·01	·19	–	·13	–	·10	·01	–	–	·02	–		24
25	·11	–	–	·05	·22	·01	–	–	–	–	·01	·01		25
26	1·59	·62	–	–	·23	·02	·09	·19	–	–	·18	–		26
27	·72	·58	–	·12	·05	–	·17	–	–	–	·18	·01		27
28	·19	·15	–	·11	·27	–	–	·08	–	–	·01	·04		28
29	·05	–	·65	·13	–	·06	·04	–	–	·02	–	·87		29
30	–		·03	·75	·02	–	–	–	–	·56	–	·18		30
31	·08		·49		·07		–	–		1·26		·06		31
TOTAL	3·54	4·66	4·58	3·64	2·47	0·55	7·66	1·68	4·12	7·76	14·17	6·87	Year's Total 61·70	✓
* Days with .01 in. or more.	14	18	18	21	14	8	25	14	15	16	28	24	215	✓
* Days with .04 in. or more.	10	13	15	18	11	4	21	9	15	13	22	19	170	✓

† Spare column, no entries required.

(*Signed*) a. a. Barnes

CHIEF ENGINEER.

* See Instruction 3 (f) on other side.

[P.T.O.

4234

Section **A** for the entry

AIR MINIST

FOR OFFICIAL USE.

LL ORGANIZATION.

265

FORM

REGI

/ .

Kept at Rhayad

in the County of Ra

y 10% low

Diameter of Funnel of Gauge

Height of top of Gauge above Gr

,, Ground ,, Se

THE MORNING MEA

Y.

An observer who does not conform

year in the space on the right o

e following

Jan. 1, following

4234

RHAYADER

1931 —— 40

780803

Date	Jan.	Feb.	Mar						t.	Nov.	Dec.	Date
	in.	in.	in						t.	in.	in.	
1			·36									1
2								1·05				2
3										2·67	·53	3
4												4
5						1·14						5
6							·44		·35			6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14							·95					14
15												15
16												16
17												17
18												18
19												19
20												20
21												21
22												22
23												23
24												24
25				·59								25
26												26
27		·69			2·24							27
28												28
29												29
30		×										30
31	1·03	×		×		×			×		×	31
TOTAL	5·44	4·93	1·59	3·90	5·47	3·85	3·12	4·36	2·63	1·52	8·96	2·54	YEAR'S TOTAL 48·31
*Days with ·01 in. or more.	24	26	13	22	22	19	27	21	16	15	28	21	254
*Days with ·04 in. or more.	18	21	8	16	20	12	17	12	8	9	23	14	148
40-9999	138·2	125·2	40·4	99·1	139·0	97·7	79·3	110·7	66·9	38·7	227·4	64·6	1227·2

(Signed) P.T.O.

*See Instruction 2 (*f*) on other side.

Section **A** for the entry

FOR OFFICIAL USE. 4234

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM

REGISTER OF RAINFALL IN 1931.

96·5

Kept at Rhayader

in the County of Radnor

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level 751 ft.

rejected from survey as probably 10% low. It was decided

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1			·36										1
2									1·05				2
3											2·67	·53	3
4													4
5						1·14							5
6							·44			·35			6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14								·95					14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25				·59									25
26													26
27		·69			2·24								27
28													28
29													29
30		X											30
31	1·03	X		X		X			X		X		31
TOTAL	5·44	4·93	1·59	3·90	5·47	3·85	3·12	4·36	2·63	1·52	8·96	2·54	YEAR'S TOTAL 48·31
*Days with ·01 in. or more.	24	26	13	22	22	19	27	21	16	15	28	21	254
*Days with ·04 in. or more.	18	21	8	16	20	12	17	12	8	9	23	14	148
40-9999	138·2	125·2	40·4	99·1	139·0	97·7	79·3	110·7	66·9	38·7	227·4	64·6	1227·2

(Signed) .... P.T.O.

*See Instruction 2 (*f*) on other side.

Rhayader rejected from % map (1931) as 10% low.

I have examined the record with that of Rhayader East Street, this year & for the past decade. I can find nothing wrong with the record. It is in the usual agreement with Rhayader East Street. In previous years the % value has been in good accord with neighbours.

I suggest we query the % value for this year & wait & see how 1932 fits the map before taking any further action on this question.

agreed

Sturch
21: 3: 32.

PROOF
- 1 SEP 1931
C.T.& Co.Ltd.

Chart 1698.

pier, passing outside the Detached mole, distant two-thirds of a cable from the western end, increasing to a distance of one cable abreast the elbow.

In the Outer harbour the streams vary in direction during the flood. While the inset through the Western entrance lasts, the stream setting into the Outer harbour curves round westward and strikes the Prince of Wales pier, flowing southward past its end towards the Admiralty pier; this curve gradually works along the former pier until it reaches the open viaduct at from 1½ to 2 hours before high water, when it sets through it until half an hour before high water, across the mouth of the tidal harbour, at the rate of one to 2 knots, then flowing along the Admiralty pier, at the end of which it joins the east-going stream. When the stream begins to flow through the viaduct to the south-westward, it ceases to flow in that direction across from the outer end of the Prince of Wales pier (*Lat. 51° 07′ N., Long. 1° 20′ E.*).

There is a considerable area of slack water in the central part of the Outer harbour, at high water and for 3 hours after; during the next 3 hours there is slack water over nearly its whole extent; also at 3 hours before high water it is slack in the centre.

Except, as just mentioned, the stream on the surface takes a circular movement round the Outer harbour in the direction of the hands of a watch during the 4 hours before high water, after which time the stream on the southern and western sides flows out of the Western entrance, and on the northern side out of the Eastern entrance, as before-mentioned.

From three-quarters of an hour before high water, to high water or shortly after, the stream sets at a considerable rate into the Eastern entrance, causing a tide rip, which extends about 2 cables inside that entrance.

The stream flows out of the Inner harbour, through the Western entrance, from one hour before high water to nearly 6 hours after high water, after which the stream through the Eastern entrance flowing through the Outer harbour is deflected westward into the Inner harbour by the Admiralty pier, which deflection continues until the inset into the Western entrance commences.

It seems probable that, within the harbour, undercurrents may influence a vessel in a different manner to that expected from the tidal diagrams on the chart; caution is therefore necessary.

Directions.—Pilotage is compulsory for merchant vessels; Trinity pilots are qualified as Dover pilots. Vessels entering should use the Eastern entrance in preference to the Western entrance. Incoming vessels must give precedence to outgoing vessels. The speed of vessels in the Outer harbour must not exceed 8 knots.

Eastern entrance.—The Eastern entrance can be negotiated at all states of the tide and course should be shaped to allow for the set of the tidal stream in the entrance, this information being first obtained from the diagrams of tidal streams on chart No. 1698. The most favourable conditions obtain in the inclusive period between two hours before to one hour after high water at Dover.

No difficulty will be experienced at any state of the tide by vessels leaving the harbour by the Eastern entrance, but the tidal diagrams on the chart should be consulted and careful attention given to the

Charts 1828, 1895, 1431, 1406, 2675c.

4234

Section **A** **for the entry of Daily Observations.** **FOR OFFICIAL USE.**

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM

REGISTER OF RAINFALL IN 1932.

265

Kept at Rhayader
in the County of Radnor

Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level 757 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1					1·51				·54				1
2													2
3													3
4													4
5	1·47												5
6													6
7				·51						1·85			7
8													8
9		·05											9
10													10
11							1·56						11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22											1·18		22
23													23
24													24
25													25
26													26
27													27
28													28
29			·79					·44				·57	29
30		✕				1·28							30
31		✕		✕		✕			✕		✕		31
TOTAL	7·53	0·12	3·34	4·64	4·67	1·80	5·51	1·49	3·83	8·07	4·57	3·37	YEAR'S TOTAL 48·94
*Days with ·01 in. or more.	21	5	13	28	26	8	26	12	19	28	21	22	229
*Days with ·04 in. or more.	16	1	10	23	16	5	19	6	13	19	17	11	156
40-9999	191·3	3·1	84·8	117·9	118·5	45·6	139·9	37·9	97·2	204·7	116·2	85·5	

(Signed) .... [P.T.O.

*See Instruction 2 (*f*) on other side.

4234

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090

REGISTER OF RAINFALL IN 1933.

265

Kept at Rhayader

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft. in.

,, Ground ,, Sea Level 757 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		·80										1·15	1
2	·79												2
3													3
4													4
5			·63										5
6					·20								6
7													7
8													8
9													9
10										1·32			10
11							·69						11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19											·40		19
20									·22				20
21								·31					21
22													22
23													23
24						·61							24
25													25
26													26
27													27
28				·36									28
29													29
30		×											30
31		×		×		×			×		×		31
TOTAL	4·14	5·37	3·31	1·01	1·37	3·85	2·66	1·29	0·99	5·94	1·35	1·81	YEAR'S TOTAL 33·09
*Days with ·01 in. or more.	18	22	18	9	21	19	16	18	13	22	17	14	207
*Days with ·04 in. or more.	13	18	14	6	15	11	12	9	8	16	8	5	135

40-9999/05·2

25·2

34·2

(*Signed*)

P.T.O.

*See Instruction 2 (*f*) on other side.

D

4234

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Rhayader

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ....ft. ....in.

,, Ground ,, Sea Level 757 ft.

Gauge leaking. Values in Red suggested by Birmingham W.W. & adopted for our own use although not included in "B.R." Values to July 1931 adjusted on same ratio in 10 yr. sheet. ~~265~~

Stuch 24/4/35.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3													3
4													4
5													5
6					·76			·79					6
7													7
8												·89	8
9													9
10											·39		10
11				·51									11
12													12
13	1·27												13
14			·87										14
15													15
16													16
17							·42						17
18													18
19													19
20													20
21													21
22													22
23									·33				23
24		·33				·51							24
25													25
26										·58			26
27													27
28													28
29													29
30		×											30
31		×		×		×			×		×		31
TOTAL	(5·52) ~~4·86~~	(·43) ~~0·43~~	(4·39) ~~4·03~~	(3·52) ~~3·52~~	(2·01) ~~2·01~~	(1·68) ~~1·46~~	(1·57) ~~1·39~~	(4·88) ~~4·22~~	(3·21) ~~2·34~~	(4·38) ~~4·16~~	(1·86) ~~1·64~~	(10·12) ~~8·95~~	(43·57) YEAR'S TOTAL ~~39·22~~
*Days with ·01 in. or more.	28	4	23	23	15	13	10	22	20	27	18	27	230
*Days with ·04 in. or more.	14	2	17	14	10	9	7	17	16	19	10	25	160

40-9999

*See Instruction 2 (*f*) on other side.

M

(*Signed*)

P.T.O.

4234

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 265.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Rhayader

in the County of Radnor.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft. in.

,, Ground ,, Sea Level 757 ft.

np 1934

Sept to Dec. in, 1935

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15		1.22		·69										15
16														16
17					·54									17
18														18
19														19
20														20
21														21
22														22
23			·81											23
24														24
25														25
26	·81													26
27														27
28														28
29		×												29
30		×												30
31		×		×		×			×		×		Year's Total	31
TOTAL	2·16	6·08	1·40	5·73	1·71			N.R.						imp.
*Days with ·01 in. or more.	18	23	10	23	9									
*Days with ·04 in. or more.	9	18	7	21	8									

Omitted for month

doubtful

doubtful

Information thoroughly unreliable prior to Jan 1st 1936.

40-9999

*See Instruction 2 (*f*) on other side.

†Spare column, no entries required.

(*Signed*) [P.T.O.

Estimated Monthly Rainfall at Rhayader (Penvalley)

①

	1931	1932	1933	1934	1935
Jan	5·44	7·87	5·07	5·89	2·82
Feb.	4·93	·22	5·66	·53	7·03
Mar	1·59	3·64	3·46	4·63	2·01
apr	3·90	5·27	1·04	3·66	6·85
May	5·47	4·91	1·43	2·27	1·91
June	3·85	1·83	4·39	1·85	4·73
July	3·50	5·39	3·00	1·71	·53
aug	5·06	1·80	1·34	5·26	1·34
Sept	2·79	4·45	1·17	3·52	9·35
oct	1·82	9·14	7·20	4·71	7·04
Nov	8·49	4·73	1·54	2·02	7·42
Dec	3·26	4·17	2·01	10·86	4·95
year	50·10	53·42	37·31	46·91	55·98

Values are Rhayader (East Street) × $\frac{50.6}{49.2}$

② annual value for Penvalley is obtained by applying annual % value for East Street to 50·6 : months allocated from observed values at Penvalley.

Mean of Method ① + ②

	1931	1932	1933	1934	1935		1931	1932	1933	1934	1935
Jan	5·44	8·21	4·68	5·78	2·61		5·44	8·04	4·87	5·83	2·72
Feb	4·93	·13	6·07	·51	7·32		4·93	·17	5·87	·52	7·17
Mar	1·59	3·64	3·74	4·79	1·69		1·59	3·64	3·60	4·71	1·85
apr	3·90	5·06	1·14	4·19	6·91		3·90	5·17	1·09	3·93	6·88
May	5·47	5·09	1·55	2·39	2·06		5·47	5·00	1·49	2·33	1·99
June	3·85	1·96	4·35	1·74	4·22		3·85	1·89	4·37	1·79	4·47
July	3·60	6·01	3·01	1·65	·59		3·55	5·70	3·01	1·68	·56
aug	5·03	1·63	1·46	5·02	1·54		5·04	1·71	1·40	5·14	1·44
Sept	3·03	4·18	1·12	3·02	10·87		2·91	4·32	1·15	3·27	10·11
oct	1·75	8·80	6·72	4·95	7·36		1·78	8·97	6·96	4·83	7·20
Nov	10·32	4·99	1·53	1·95	6·49		9·40	4·86	1·53	1·99	6·95
Dec	2·93	3·68	2·05	10·66	4·03		3·09	3·93	2·03	10·76	4·49
year.	51·80	53·38	37·42	46·65	55·68		50·95	53·40	37·37	46·78	55·83

It is noted on 10 yr. sheets that these workings are attached to 1935 retur

Av. 50·6

(4234)

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations. **Station No.** 265

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1000.

REGISTER OF RAINFALL IN 1936.

485312/36

Kept at Rhayader (PENRALLEY)

in the County of Radnor /1

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 757 ft.

TL

nm. C. Ap '38

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2														2
3														3
4														4
5								·11						5
6														6
7									·99					7
8														8
9	1·28													9
10														10
11											·96			11
12														12
13												2·17		13
14														14
15					·76									15
16														16
17		·93					1·05							17
18														18
19														19
20														20
21						1·59								21
22			·59											22
23														23
24														24
25				·88										25
26														26
27														27
28														28
29														29
30		×								·94				30
31		×		×		×			×		×			31
TOTAL	6·48	2·78	3·08	2·62	1·92	6·26	6·40	0·47	3·80	3·90	5·46	6·79	Year's Total. 49·96	Brand
* Days with .01 in. or more.	27	18	20	16	12	17	28	11	17	17	22	25	230	
* Days with .04 in. or more.	22	14	13	13	11	14	23	4	14	10	14	18	170	
40-9999	164·7	70·7	78·2	66·6	48·7	158·9	162·6	12·0	96·6	99·0	138·7	172·4	1269·1	

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) R. ASHTON FOR M.O.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 4234 265

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1937.

Kept at Rhayader (Penralley)
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 757 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following
✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	†	
1														1
2												·95		2
3														3
4														4
5	1·23													5
6														6
7														7
8														8
9														9
10														10
11						·52								11
12														12
13														13
14														14
15														15
16			·74					·25						16
17									·39					17
18														18
19														19
20				·70										20
21														21
22							·71				·31			22
23					·46									23
24														24
25														25
26														26
27		1·00												27
28														28
29										·88				29
30		×												30
31		×		×		×			×		×			31
													Year's Total	
TOTAL	9·46	8·35	3·16	2·87	1·66	1·89	2·69	·77	2·30	3·18	1·52	3·96	41·81	
* Days with 0.2 mm. or more.	23	27	22	19	13	16	17	7	18	13	15	20	210	
* Days with 1.0 mm. or more.	21	26	15	12	9	13	12	5	13	10	8	16	160	

(141w) * See Instruction 2 (f) on other side. † Spare column, no entries required, except year's total.

40-9999. 240·4 212·3 80·3 73·0 42·2 48·1 68·2 19·6 58·5 80·7 38·7 100·8 1062·8

(Signed) .... [P.T.O.

COPY FOR OFFICIAL USE.

265

Section **A** for the entry of Daily Observations. Station No. 423~~5~~4

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1.

REGISTER OF RAINFALL IN 1938.

Kept at Rhayader (Penrallev)
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 757 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		
1						·84								1
2				·20										2
3										1·25				3
4														4
5														5
6														6
7								·81						7
8														8
9												·87		9
10							·61							10
11														11
12														12
13														13
14	1·47													14
15														15
16														16
17														17
18														18
19														19
20														20
21														21
22														22
23														23
24			·23											24
25											1·48			25
26		1·44												26
27					1·07									27
28														28
29														29
30		✕							·32					30
31		✕		✕		✕			✕		✕			31
													Year's Total	
TOTAL	206·8	79·9	14·1	7·4	107·8	81·9	97·3	84·4	25·8	181·8	189·6	144·4	1221·2	
* Days with 0.2 mm. or more.	26	13	10	3	16	19	19	20	15	23	24	24	212	
* Days with 1.0 mm. or more.	20	9	3	2	15	10	15	15	9	21	20	18	157	

(141w) * See Instruction 2 (f) on other side. † Spare column, no entries required, except year's total.

40-9999. 8·145 3·15 ·56 ·29 4·24 3·22 3·83 (Signed) 7·47 5·69 48·09 P.T.O.

3·32 1·02 7·16

~~265~~

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 4234

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1939.

Kept at Rhayader (Penralley)

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 757 ft.

T.L.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	†	
1			·50	·51										1
2														2
3														3
4					·31							·85		4
5						·48								5
6														6
7														7
8														8
9														9
10									·24	·57				10
11														11
12														12
13														13
14	1·15													14
15						48								15
16														16
17														17
18														18
19														19
20														20
21								1·01						21
22		1·23												22
23														23
24														24
25											2·06			25
26														26
27														27
28														28
29							1·35							29
30		✕												30
31		✕		✕		✕			✕		✕			31
													Year's Total	
TOTAL	198·9	139·6	68·2	86·1	21·2	149·6	193·7	84·8	18·6	65·4	258·8	80·3	1265·2	
* Days with 0.2 mm. or more.	25	22	20	19	8	16	25	16	9	15	25	14	214	
* Days with 1.0 mm. or more.	23	16	13	14	6	12	22	12	4	13	20	8	163	

(141w) * See Instruction 2 (f) on other side. † Spare column, no entries required, except year's total.

40-9999. 7·83 5·50 269 3·39 ·83 1·95 7·63 (*Signed*) ·73 3·34 2·57 10·19 3·16 49·81

P.T.O.

265

COPY FOR OFFICIAL USE

Se[illegible]n **A** for the entry of Daily Observations

Station No. 4234

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1091.

REGISTER OF RAINFALL IN 1940

Kept at Rhayader (Penralley)
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 757 ft.

T/

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	†	
1														1
2											1·89			2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10												·75		10
11							·91							11
12														12
13														13
14														14
15					·92									15
16									·51					16
17														17
18		·69	·60											18
19														19
20								·14						20
21														21
22						·27								22
23														23
24														24
25														25
26	1·39													26
27														27
28														28
29														29
30		✕		·65										30
31		✕		✕		✕			✕	1·04	✕			31
													Year's Total	
TOTAL	93·0	82·0	67·1	69·7	58·2	16·7	113·4	11·4	49·8	141·8	295·6	112·5	1111·2	
* Days with 0.2 mm. or more.	11	17	16	20	13	6	24	9	12	14	23	20	185	
* Days with 1.0 mm. or more.	9	11	11	15	10	3	13	5	11	13	18	16	135	

(144w) * See Instruction 3 (f) on other side. † Spare column, no entries required, except year's total.

(Signed) ....

P.T.O.

3·66 3·23 2·64 2·74 2·29 ·66 4·46 ·45 1·96 5·58 11·64 4·43 43·74

383A

4235

No 4235

RHAYADER EAST ST.

1931-40

700803

FORM 1090.

B Month
Summ

n.

, The following register of monthly
&c., is NOT required if daily or
values are given on the other side

ection and also the space for

this register should be sent:—

in Summer

Distance Direction from gauge

Distance Direction from gauge

RAINFALL IN 1931

At Rhayader Private

In the County of Radnor

Rain Gauge
Diameter of Funnel
Height of Top above Ground ft
Height of Ground above Sea Level ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	5·84				
FEB.	5·36				
MAR.	1·28				
APRIL	4·20				
MAY	5·50				
JUNE	3·98				
JULY	3·40				
AUG.	4·91				
SEPT.	2·71				
OCT.	1·77				
NOV.	8·24				
DEC.	3·16				
Total	50·35				

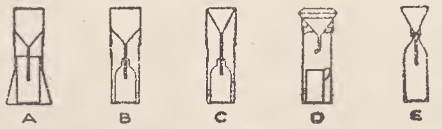
Heights				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Signature R. ASHTON ESQ X

M

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

3834 4235

FORM 1090. **B** Month Summary. **C** Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Rhayader Private Gauge

In the County of Radnor

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground..........ft..........in.
Height of Ground above Sea Level..........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	5.84				
FEB.	5.36				
MAR.	1.28				
APRIL	4.20				
MAY	5.50				
JUNE	3.98				
JULY	3.40				
AUG.	4.91				
SEPT.	2.71				
OCT.	1.77				
NOV.	8.24				
DEC.	3.16				
Total	50·35				

Signature ~~J. W. Wilkinson~~ R. ASHTON ESQ X
Birmingham W.W.
M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

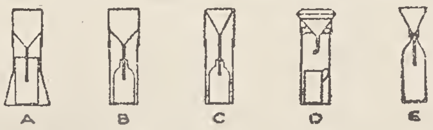
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

No 4235

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932

At Rhayader Private Gauge

In the County of Radnor

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft.* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7.64				
FEB.	.21				
MAR.	3.53				
APRIL	5.12				
MAY	4.77				
JUNE	1.78				
JULY	5.23				
AUG.	1.75				
SEPT.	4.32				
OCT.	8.88				
NOV.	4.59				
DEC.	4.05				
Total	51.87				

Signature per J. W. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— ....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

No 4235

FORM 1090. **B** Monthly Summary. **C** Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

(Private Gauge)

At Rhayader, East Street

In the County of Radnor

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	4.92				
FEB.	5.50 ✓				
MAR.	3.36 ✓				
APRIL	1.01 ✓				
MAY	1.39 ✓				
JUNE	4.26				
JULY	2.91 ✓				
AUG.	1.30 ✓				
SEPT.	1.14 ✓				
OCT.	6.99 ✓				
NOV.	1.50 ✓				
DEC.	1.95 ✓				
Total	36.23 ✓				

Signature J. McKinnon

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.B.W.D.
6 JAN. 1934
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

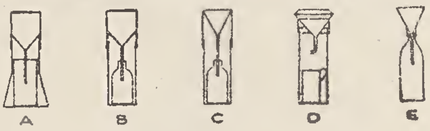
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At RHAYADER, EAST STREET.

In the County of RADNOR.

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft.* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·72 ✓				
FEB.	0·51 ✓				
MAR.	4·50 ✓				
APRIL	3·55 ✓				
MAY	2·20 ✓				
JUNE	1·80 ✓				
JULY	1·66 ✓				
AUG.	5·11 ✓				
SEPT.	3·42 ✓				
OCT.	4·58 ✓				
NOV.	1·96 ✓				
DEC.	10·55 ✓				
Total	45·56 ✓ ✓				

Signature J M Wilkinson M.Inst.C.E.
Chief Engineer
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

No 4235

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

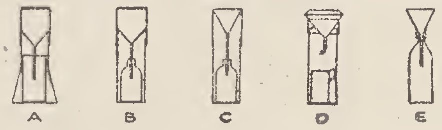
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

N° 4235

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Rhayader, East Street

In the County of Radnor

Rain Gauge
- Diameter of Funnel ______ in.
- *Height of Top above Ground* ______ *ft* ______ *in.*
- *Height of Ground above Sea Level* ______ *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·45				
FEB.	6·83				
MAR.	1·95				
APRIL	6·65				
MAY	1·85				
JUNE	4·59				
JULY	0·51				
AUG.	1·30				
SEPT.	9·08 ✓				
OCT.	6·83				
NOV.	7·21				
DEC.	4·81 ✓				
Total	54·06 ✓				

Signature J. M. Wilkinson
M. Inst. C. E.,
Chief Engineer
R Ashton Esq

*See Instruction 2 (*f*) below.

C Particulars of Station.

C.B.W.D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ______ in Summer ______

Nearest Railway Station ______ Distance ______ Direction from gauge ______

Nearest Parish Church at ______ Distance ______ Direction from gauge ______

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ______ Distance ______ Direction ______

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any **record of rainfall** not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Note. – This is a private gauge kept by Mr. R. Ashton.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

DA

No 4235

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Rhayader East Street

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in*.
- *Height of Ground above Sea Level* .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6.95				
FEB.	3.15				
MAR.	3.16				
APRIL	3.10				
MAY	1.94				
JUNE	6.48				
6.55 JULY	~~7.33~~				
AUG.	·44				
SEPT.	3.73				
OCT.	3.99				
NOV.	5.66				
DEC.	7.25				
52.40 Total	~~53.18~~				

Signature J Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

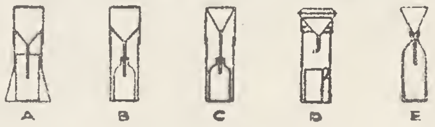
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

bord. by J. W. Wilkinson

Note.

This is a private gauge
kept by Mr. R. Ashton and
is registered in his name.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4235

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Rhayader, East Street

In the County of Radnor

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground.......ft.........in.
Height of Ground above Sea Level..........ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	9·81				
FEB.	8·38				
MAR.	3·25				
APRIL	3·03				
MAY	1·69				
JUNE	1·91				
JULY	2·95				
AUG.	0·83				
SEPT.	2·47				
OCT.	3·36				
NOV.	1·54				
DEC.	4·17				
TOTAL	43·39				

Signature J. M. Wilkinson

M. Inst. C.E.

*See Instruction 2 *(f)* below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C. B. W. D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

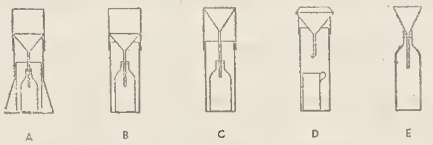
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

This is a private gauge Kept by Mr R. Ashton.

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations — Station No. 4235

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at RHAYADER (East Street)
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. — in.
,, Ground ,, Sea Level 700 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·26	-	-	-	·85	·03	·07	·01	·34	·11	·37		1
2	-	·07	·01	·25	·07	·17	·05	-	-	·42	·07	·20		2
3	-	-	-	-	·07	·01	·05	-	-	1·32	·01	·01		3
4	-	-	·01	·01	-	-	·47	·25	-	·31	·11	·38		4
5	·03	-	-	-	-	·05	·11	·06	·10	·61	-	·39		5
6	·30	-	-	-	-	·44	·85	-	·07	·65	·01	·29		6
7	·38	-	-	-	-	-	·43	·81	·04	·40	-	·08		7
8	·24	·04	·02	-	-	-	·15	·12	-	·72	-	·29		8
9	·30	·14	-	-	-	·30	·06	·01	-	·03	-	·87		9
10	·27	·02	-	-	-	·02	·79	·46	-	·16	-	·36		10
11	·91	·05	-	-	·01	·02	·04	-	-	·10	·63	·26		11
12	·43	·02	-	-	·11	·01	-	-	-	·36	* 1·68 }	·12		12
13	·02	-	-	-	·10	-	-	-	·03	·05		·38		13
14	1·56	-	-	-	·16	-	·12	-	-	-	-	·01		14
15	·55	-	·01	-	·83	-	·19	·04	-	·07	·09	·61		15
16	·21	-	·01	-	·55	-	-	·01	·01	·04	·06	-		16
17	-	·03	-	-	·01	-	-	-	·07	·15	·02	·03		17
18	·15	-	-	-	-	·05	-	·35	·04	·08	·61	-		18
19	·04	-	-	-	-	-	-	·14	·04	·01	⊕ ·70 }	·01		19
20	·12	-	·11	-	-	-	-	·07	·01	-		-		20
21	-	-	·02	-	-	-	-	·23	·06	-	·31	·03		21
22	-	-	-	·13	-	·06	-	·01	-	-	·53	·05		22
23	·01	-	-	·04	·10	·02	-	-	·02	-	·31	·02		23
24	·26	·10	·26	-	·06	·02	·02	·25	·01	·07	·08	-		24
25	·18	·25	·01	-	·06	·01	·23	·11	-	·35	1·49	·05		25
26	·55	1·35	·14	-	·24	·43	·01	-	-	·55	·03	-		26
27	·37	·36	-	-	1·01	·16	·66	·16	·16	·08	·40	-		27
28	·49	·37	-	-	·03	·45	·06	·06	·03	-	·19	-		28
29	·58	-	·01	·01	·51	·01	·05	-	·01	·09	·18	·20		29
30	·15	✕	-	-	·08	·09	·01	-	·33	·01	·36	·24		30
31	·25	✕	-	✕	·31	✕	-	·08	✕	·39	✕	·50		31
													Year's Total	
TOTAL	8·35	3·06	0·61	0·44	4·31	3·17	4·38	3·29	1·04	7·36	7·98	5·75	49·74	
* Days with .01 in. or more.	24	13	11	5	18	19	20	19	17	25	24	24	219	
* Days with .04 in. or more.	21	10	3	3	15	11	16	16	9	22	20	18	164	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

* 12 = 1·44 }
13 = ·24 } 1·68

⊕ 19 = ·36 }
20 = ·34 } ·70 approximate apportionments

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 423275

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Rhayader (East Street)

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground twelve in.s.

" Ground " Sea Level 700 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.02	-	·52	·51	·02	-	-	·10	·02	·07	·02	·26		1
2	-	-	·08	·01	-	-	·02	·26	-	-	·05	·08		2
3	.21	·01	·19	·49	-	-	-	·10	·01	-	·04	·79		3
4	.04	-	·33	·48	·33	-	·39	-	-	·23	·18	·82		4
5	-	-	-	·29	·01	-	·21	-	-	·35	·75	-		5
6	·96	·04	·09	-	-	-	·82	·04	-	·01	·17	-		6
7	·05	·10	·13	-	-	-	·65	·12	-	-	·54	·43		7
8	·09	·65	·55	-	·06	-	·31	·02	-	·50	·92	·03		8
9	·06	·32	-	-	-	-	·01	·41	·07	·17	·01	·25		9
10	·89	-	·02	-	-	·06	-	·05	·23	·53	-	·44		10
11	·04	·16	·07	-	-	-	-	·01	·01	·11	-	-		11
12	·32	·24	-	·17	-	·02	-	-	·17	·06	-	-		12
13	-	·02	-	·29	·08	·01	·37	-	·01	·06	·04	-		13
14	1·10	-	-	·17	·13	·16	·08	-	·03	·01	·36	-		14
15	·57	·05	·03	·16	·06	·50	·20	-	-	-	·22	-		15
16	·37	·02	·03	·08	·18	·06	·53	-	-	-	·60	-		16
17	·84	·14	-	·05	-	·22	·01	-	-	·04	·07	-		17
18	·27	·09	·03	-	-	·09	·51	-	-	·01	·90	-		18
19	·08	·03	-	-	-	-	·61	·25	-	-	-	-		19
20	·22	·02	-	-	·02	-	·19	·13	·01	-	-	·05		20
21	·16	·39	·40	·18	·08	·09	·24	1·33	·01	-	-	-		21
22	·56	1·25	·34	·29	-	·22	·10	-	-	·03	·91	-		22
23	·23	·32	·06	·18	-	·02	·19	-	-	·18	·39	-		23
24	·15	·06	·04	·03	-	·04	·06	-	-	·12	·02	-		24
25	·65	·20	·04	-	-	·12	·10	-	-	·13	1·90	-		25
26	·09	·17	-	·03	-	-	-	·58	-	·05	·66	·04		26
27	-	·59	·07	·01	-	·21	·09	·21	-	·01	·27	·02		27
28	·01	·61	·02	·03	-	·22	·69	·13	-	-	·49	-		28
29	-	-	-	·22	-	·06	1·30	-	-	·09	·74	-		29
30	-	✕	-	·08	-	·08	·17	-	-	·03	·08	·16		30
31	-	✕	-	✕	-	✕	·05	·09	✕	·04	✕	-		31
TOTAL	7·98	5·48	3·04	3·75	0·97	2·18	7·90	3·83	0·57	2·83	10·33	3·37	Year's Total 52·23	
* Days with .01 in. or more.	24	22	19	20	10	17	25	16	10	22	24	12	221	
* Days with .04 in. or more.	22	17	14	15	7	14	22	14	3	16	21	10	175	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) R. Ashton

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations Station No. ....

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATIO

Form 1090

REGISTER OF RAINFALL IN 193

Kept at ....

in the County of ....

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15														15
16														16
17														17
18														18
19														19
20														20
21														21
22														22
23														23
24														24
25														25
26														26
27														27
28														28
29														29
30		✕												30
31		✕		✕		✕			✕		✕			31
Total													Year's Total	
* Days with .01 in. or more.														
* Days with .04 in. or more.														

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

LLANDDEWI – YSTRADENAY.

4235/5

LLANDDEWI, YSTRADENAY

1938 – 40

780803

B 4235/5

Section **A** for the entry of

AIR MINISTR

FORM 1090

REGIS

...tion No. MO. 7

ORGANIZATION

...IME

EB 1939

KNOWLE...

Kept at Llanddewi C...

in the County of Radno...

Diameter of Funnel of Gauge

Height of top of Gauge above Gro

,, Ground ,, Sea

THE MORNING MEASURE

DAY ...N

Jan. 1, following

An observer who does not conform t
year in the space on the right of th

lowing

Ple

Date	Jan.	Feb.	Mar.	A								Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1										1·98	·07	·21		1
2											·05	·35		2
3											·05			3
4											·02			4
5										·25		·29		5
6										·46		·19		6
7										·9	—	·04		7
8											—	·1		8
9											tr.	1·08		9
10											—			10
11											·13			11
12										·32	·88	·25		12
13										·22	·3	·26		13
14											—	tr.		14
15											·03	·22		15
16											·06	—		16
17											·01	—		17
18											1·28	—		18
19										—		—		19
20										·45		—		20
21											·24	·03		21
22											·57	—		22
23											·1	tr.		23
24											·09	tr.		24
25											1·16	·65		25
26										·33	—			26
27										—	·5			27
28										tr.	·03			28
29										·06	·15			29
30		✕								·04	·23			30
31		✕		✕		✕			✕	·22	✕			31
TOTAL										5·26	5·98	3·40	Year's Total incp.	
* Days with .01 in. or more.														
* Days with .04 in. or more.														

np incomplete GB 27/4/39

J.E. PRICE ESQ per Riv. Wye C. Bd

* See Instruction 3 (f) on other side.

N

† Spare column, no entries required.

(Signed) J. E. Price [P.T.O.

LLANDDEWI-YSTRADENAY.

84235/5

Section **A** for the entry of … Station No. …

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Llanddewi Cl. School

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. = in.

,, Ground ,, Sea Level 800 ft.

467239/35

WITH … 193…

RECEIVED TIME

-1 FEB 1939

INITIALS IF ACKNOWLEDGED

M.O.7.

FILE No.

TO … ON

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1										1·98	·07	·21		1
2											·05	·35		2
3											·05			3
4											·02			4
5										·25		·29		5
6										·46	·	·19		6
7										·9	—	·04		7
8											—	·1		8
9											tr.	1·08		9
10											—			10
11											·13			11
12										·32	·88	·25		12
13										·22	·3	·26		13
14											—	tr.		14
15											·03	·22		15
16											·06	—		16
17											·01	—		17
18											1·28	—		18
19										—		—		19
20										·45		—		20
21											·24	·03		21
22											·57	—		22
23											·1	tr.		23
24											·09	tr.		24
25											1·16	·65		25
26										·33	—			26
27										—	·5			27
28										tr.	·03			28
29										·06	·15			29
30		✕								·07	·23			30
31		✕		✕		✕			✕	·22	✕			31
TOTAL										5·26	5·98	3·40	Year's Total incp	up incomplete
* Days with .01 in. or more.														GB
* Days with .04 in. or more.														27/4/39

J.E. PRICE ESQ per Riv. Wye C. Bd

N

* See Instruction 3 (F) on other side.

† Spare column, no entries required.

(*Signed*) J. E. Price

[P.T.O.

Llanddewi - Ystradenny

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4235/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at ~~LLANDEWI COUNCIL SCHOOL~~

in the County of RADNOR

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 767 ~~21~~ ft. AT LIVERPOOL

[illegible] 1938

467239/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		NIL	·30			NIL	·03			TRA.	·03			1
2		NIL	·32	·37	·03			·37		NIL	·02	·62		2
3	1·25	NIL	NIL		NIL	NIL	NIL			NIL				3
4				·40	NIL		·35			·11	·83	·26		4
5		NIL	·40	·31	·19	NIL	·29	·04	·45	·12		TRA		5
6				·46		NIL	·71				·28	NIL		6
7		·03	·03		NIL	NIL		·23		·39	·31	·45		7
8	·22	·13 ~~·03~~	·03			NIL	·78				·87			8
9		·34 ~~·13~~	·49		·02	NIL		·02		·22	TRA.	·55		9
10	·28	·19 ~~·34~~			NIL	·01	NIL		·13	·63				10
11	·025	~~7~~	·14		NIL		NIL		TRA.	·01	·01	·01		11
12	·27	·23		·52	NIL	NIL	TRA.	·02	·14	·17		NIL		12
13						NIL	·84		·02		·03	TRA		13
14	1·3	NIL	NIL		·11	·18		NIL	·05	·09	·30	NIL		14
15		NIL	NIL			·77	·78	NIL			·20			15
16	·26	NIL	NIL		·01			NIL	NIL	·01	·45	NIL		16
17	·56	NIL			·18	·44	·03	NIL		·05				17
18	·17		NIL		NIL		·49	NIL	TRA.	TRA.	·81	NIL		18
19	·24	·18		NIL	NIL	NIL	·46	·01	TRA.	NIL		NIL		19
20				NIL	NIL	·01	·05		NIL			·05		20
21	·91	NIL	NIL	NIL	·08	·47		NIL	·03	·01	TRA	NIL		21
22		·11	·36		NIL	·10	·25	NIL			·76			22
23	·08	·56	·13	·25	NIL				·01	·14	·44			23
24	·17	·15	·035		NIL	·12	TRA.			·08				24
25	·27			·01	NIL		·06	·31	NIL	·09	1·42			25
26		·14	NIL	·01	NIL	NIL	NIL		NIL	TRA.		·20		26
27	NIL			·04	NIL	·31	·18		NIL		·13			27
28		·32	·07	NIL	NIL	·36			NIL	·06	·32			28
29	NIL		·02	NIL	NIL	·13	2·33	·01	NIL		·20			29
30	NIL	✕	NIL	·34	NIL	·07			NIL	·05	·11			30
31	NIL	✕	NIL	✕	NIL	✕		NIL	✕	·17	✕			31
TOTAL	6·005	2·38	2·325	2·71	·62	2·97	7·63	1·01	·83	2·40	7·52	2·14	Year's Total 38·54	Print[illegible]
* Days with .01 in. or more.														
* Days with .04 in. or more.														

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

per Wye Catchment Board.

(Signed) J. E. Price [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4235/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40.

Kept at Llandewi, Penybont
in the County of Radnorshire
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
" Ground " Sea Level 767 ft.

January total adjusted for snow.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	-	-	.05	·03		-	-	tr	-	-	tr		1
2	-	✓	tr	·13	TR	tr	·02	-	-	-	2·77	·21		2
3	-	·31	-	·04	-	-	·03	-	-	·08		·04		3
4	-	x	tr	-	·13	-	·01	-	-		·08	·05		4
5	·22	tr		-	x	-		-	tr	1·03	·62	·21		5
6	x	·39		·02	TR	-	·21	-			·06			6
7	-	·31		✓	·01	-		-	·07	·52	tr	·03		7
8	-	tr	-	-	·12	-	·09	-		·40	-			8
9	-	-	·14	·01	-	-	1·37		·07	·39	1·05	·30		9
10	-	-	x	-	-	-	·14	·21	·01	·10		·60		10
11	-	-	·01	tr	-	-	·73		-		1·13	·06		11
12	-		·30	-	-	·05		tr	·29	·01	·18	tr		12
13	-	·02	·21	·14	-	-	·48				·06			13
14	-	·05	·01	x	TR			·1	·30	·32	·02	·44		14
15	-	-	·50	·04	·99	·30	·01	-		·02				15
16	-	·61	x	·01	-		·13	-	·51	·23	·92	·02		16
17	-	x	x	·01	-	-	·11	-	·02	tr		·01		17
18	x	x	1·0	·43	-	-	-	-	·07		·01	·20		18
19	-	·13	x	x	-	-			-	·14	·18	tr		19
20	-	tr	·01	·14	-	-	1·03	·06			·04	-		20
21	·20		x	-	·15				·11	tr	1·59	tr		21
22	-	·05	x	·07	·05		tr	tr		tr				22
23	-	x	x	·10	·18	·55	·05	-	·15	·03	·04	-		23
24	-	·05	-	tr	✓		·04	-	·03	tr		-		24
25	·05	-		·12	·56	tr	-	tr	·02		tr	-		25
1·20 26	x	·48	-	x	x	tr			-	tr	·02	-		26
27	x	·33	-	·39	·05	tr	·28	·08	-		·05			27
28	1·15 ✓	·18	-	x	·03				-		tr	·39		28
29	(+1·00) -		x	·15	·01	·10	-	-	-	tr				29
30	-	✕	-	·35	·01		-	-	-	·43	·01	·06		30
31	✓	✕	·61	✕	·01	✕	-	-	✕	1·00	✕	-		31
TOTAL	~~1~~2·62	2·91	2·79	2·20	2·33	1·00	4·73	·45	1·65	4·70	8·83	3·22	Year's Total 37·43	✓
* Days with .01 in. or more.	7	16	16	21	16									
* Days with .04 in. or more.	6	14	13	17	9									d

† Spare column, no entries required.

(Signed) J. E. Price *

[P.T.O.

* See Instruction 3 (f) on other side.

*Per R. Wye & Brd

FORM 1090. **B** Monthl
Summ

4236

4236

CERIGLLWYDION

1931 — 40

780803

, The following register of monthly to
&c., is NOT required if daily or we
values are given on the other side.

also the space for

should be sent:—

ief Engineer

Birmingham

RAINFALL IN 1931

At CERIGLLWYDION

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.* 0
Height of Ground above Sea Level 1710

Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Number Days w	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	11.00				
FEB.	9.75				
MAR.	1.70				
APRIL	7.90				
MAY	5.15				
JUNE	4.75				
JULY	8.05				
AUG.	6.10				
SEPT.	4.15				
OCT.	4.65				
NOV.	(10.60)				
DEC.	6.40				
Total	(80.20)				

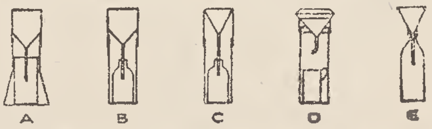
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Signature J.M.McKinson
Chief Engineer
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Month
Summ

4236

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At CERIGLLWYDION

In the County of RADNOR

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1710 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	11.00				
FEB.	9.75				
MAR.	1.70				
APRIL	7.90				
MAY	5.15				
JUNE	4.75				
JULY	8.05				
AUG.	6.10				
SEPT.	4.15				
OCT.	4.65				
NOV.	(10.60)				
DEC.	6.40				
Total	(80.20)				

Signature J.W. Wilkinson
Chief Engineer
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— J. W. Wilkinson, M. Inst. C.E., Chief Engineer, Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

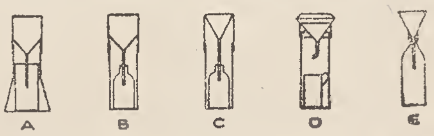
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

4236

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At CERIGLLWYDION

In the County of RADNOR

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft* 0 *in.*

Height of Ground above Sea Level 1710 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	9·80				
FEB.	0·20				
MAR.	6·00				
APRIL	6·90				
MAY	5·95				
JUNE	2·00				
JULY	8·25				
AUG.	1·90				
SEPT.	(8·60)				
OCT.	15·45				
NOV.	7·30				
DEC.	4·95				
Total	(77·30)				

Signature J W Wilkinson

Chief Engineer.
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

J. W. Wilkinson, M. Inst. C.E. Chief Engineer,
Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

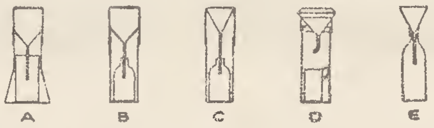
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) **The heaviest daily fall for each month should be underlined.**

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4236

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Birmingham W.W., Cerigllwydion

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* ...... *ft* ...... *in.*
- *Height of Ground above Sea Level* ...... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
(8·40) ✓ JAN.	~~9·80~~				
FEB.	8·50 ✓				
(4·60) ✓ MAR.	~~5·15~~ ✓				
APRIL	1·05 ✓				
MAY	2·60 ✓				
JUNE	5·90				
JULY	6·30 ✓				
(3·25) ✓ AUG.	~~3·55~~ ✓				
SEPT.	1·55				
OCT.	8·00 ✓				
NOV.	2·40 ✓				
DEC.	1·90 ✓				
(54·45) Total	~~56·70~~ ✓				

Signature J. M. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible.

Name and Address to which any inquiry relating to this register should be sent:—

C. B. W. D.
6 JAN 1934
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by Obsr. 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

(1)

4236

FORM 1090. **B** Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Caniglwydion

In the County of Radnor

Rain Gauge
- Diameter of Funnel.............in.
- *Height of Top above Ground............ft............in.*
- *Height of Ground above Sea Level............ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	8.10 ✓				
FEB.	0.80 ✓				
MAR.	6.45 ✓				
APRIL	5.30 ✓				
MAY	4.10 ✓				
JUNE	2.90 ✓				
JULY	4.30 ✓				
AUG.	8.70 ✓				
(4.90) SEPT.	6.00 ✓				
OCT.	10.30 ✓				
NOV.	3.55 ✓				
DEC.	14.15 ✓				
~~[73.55]~~ Total	~~74.65~~ ✓				

Signature J. W. Wilkinson M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............Distance............Direction from gauge............

Nearest Parish Church at............Distance............Direction from gauge............

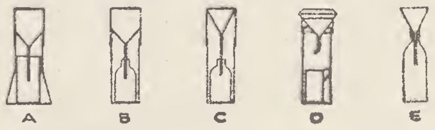
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............Distance............Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

10 yrs sheets

Year & Sept not to be in brackets *
Sept to be marked
will note at foot
* Monthly totals adjusted by Mr Wilkinson

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4236

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.*

RAINFALL IN 1935

At Birmingham W.W., Cerigllwydion

In the County of Radnor

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground ...... *ft.* ...... *in.*

Height of Ground above Sea Level 1710 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	~~4·05~~	5·35			
FEB.	9·40				
MAR.	3·40				
APRIL	7·30				
MAY	2·25				
JUNE	6·55				
JULY	2·85				
AUG.	~~4·00~~	3·75			
SEPT.	12·45	✓			
OCT.	13·25				
NOV.	10·20				
DEC.	6·60	✓			
Total	~~82·90~~	✓ 83·35			

Signature

M. Inst. C.E.
Chief Engineer.

*See Instruction 2 (*f*) below.

C Particulars of Station.

C.B.W.D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

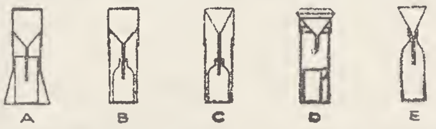
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4236

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W., Cerigllwydion

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	8·40 ✓				
FEB.	3·65 ✓				
MAR.	4·20 ✓				
APRIL	3·95				
MAY	3·40 ✓				
JUNE	6·15 ✓				
JULY	9·75				
AUG.	2·00				
SEPT.	6·55 ✓				
OCT.	8·00				
NOV.	9·35 ✓				
DEC.	12·90 ✓				
Total	78·30 ✓ ✓				

Signature J. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

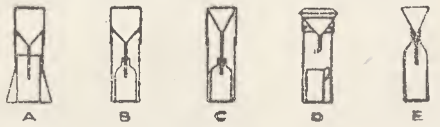
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4236

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Craiglwydion

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground........ft...........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·60				
FEB.	11·00				
MAR.	5·60				
APRIL	7·75				
MAY	2·95				
JUNE	3·65				
JULY	3·95				
AUG.	1·35				
SEPT.	4·70				
OCT.	4·85				
NOV.	2·55				
DEC.	9·00				
TOTAL	69·95				

Signature J. M. Wilkinson

M. Inst. C. E.

*See Instruction 2 (*f*) below.

C Particulars of Station,

TRAVELLING FORM.

C. B. W. D.

27 JAN 1938

CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

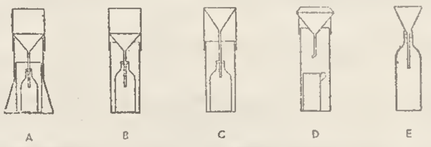
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and E.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4236

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Cerigllwydion

In the County of Radnor

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12.90				
FEB.	5.95 ✓				
MAR.	2.50 ✓				
APRIL	1.60 ✓				
MAY	4.40 ✓				
JUNE	7.60 ✓				
JULY	7.70 ✓				
AUG.	~~6.55~~ ✓	(5.95)			
SEPT.	3.40 ✓				
OCT.	12.00 ✓				
NOV.	12.50 ✓				
DEC.	9.30 ✓				
TOTAL	~~86.40~~	(85.80)			

Signature J. W. McKinnan
M. Inst. C. E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
31 JAN. 1939
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station.................... Distance............ Direction from gauge............

Nearest Parish Church at.................... Distance............ Direction from gauge............

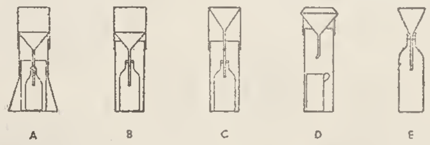
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
V[illegible] FORWARDED MONTHLY

Estimation by observer. OK.
R

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4236

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Cerrigllwydion

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground......ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·55				
FEB.	10·30				
MAR.	4·35				
APRIL	5·60				
MAY	1·50				
JUNE	4·10				
JULY	11·00				
AUG.	4·00				
SEPT.	1·65				
OCT.	4·20				
NOV.	20·00				
DEC.	7·45				
TOTAL	85·70				

Signature J. W. Wilkinson
aaB.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
-9 JAN. 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

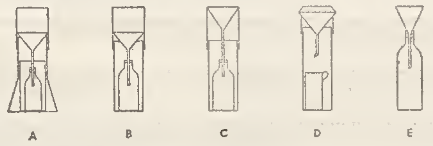
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4236

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40.

At Birmingham W.W., Cerigllwydion

In the County of Radnor

Rain Gauge
- Diameter of Funnel..............................in.
- *Height of Top above Ground*.........*ft*.............*in.*
- *Height of Ground above Sea Level*...................*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4.75				
FEB.	5.70				
MAR.	5.30				
APRIL	4.45				
MAY	2.45	✓			
JUNE	0.95	✓			
JULY	11.95	✓			
AUG.	8.25	✓			
SEPT.	5.60	✓			
OCT.	8.70	✓			
NOV.	13.70	✓			
DEC.	8.00	✓			
TOTAL	74.80	✓			

Signature A. A. Barnes.

a/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

C.B.W.D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter.......................in Summer.......................

Nearest Railway Station.................................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................................. Distance.................. Direction from gauge..................

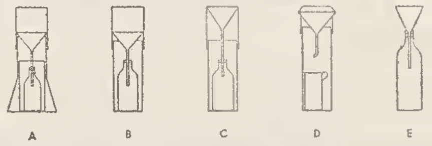
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 : this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

FORM 1090. **B** Mo Su

4237

4237

PEN-Y-CAREG No 1
1931 — 40

780803

*** The following register of mont
&c., is NOT required if daily
values are given on the other s

and also the space for

egister should be sent:—
Chief Engineer
use, Birmingham

RAINFALL IN 193

At PEN-Y-GAREG No

In the County of RADNO

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.*
Height of Ground above Sea Level

in Summer
Direction from gauge
Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		N ·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	5·80				
FEB.	6·00				
MAR.	1·40				
APRIL	4·35				
MAY	5·70				
JUNE	4·10				
JULY	4·30				
AUG.	5·50				
SEPT.	3·15				
OCT.	2·30				
NOV.	10·10				
DEC.	2·90				
Total	55·60				

Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M

Signature J. M. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

B Monthly Summary.

4237

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At PEN-Y-GAREG No. 1

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	5·80				
FEB.	6·00				
MAR.	1·40				
APRIL	4·35				
MAY	5·70				
JUNE	4·10				
JULY	4·30				
AUG.	5·50				
SEPT.	3·15				
OCT.	2·30				
NOV.	10·10				
DEC.	2·90				
Total	55·60				

M

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson M. Inst. C.E. Chief Engineer
Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

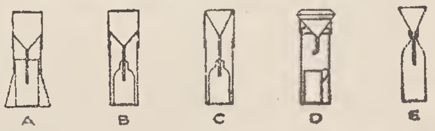
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Monthly Summary.

C Particulars of Station.

4237

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Pen-y-Gareg No. 1.

In the County of Radnor

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	8.15				
FEB.	0.20				
MAR.	3.60				
APRIL	4.90				
MAY	5.25				
JUNE	1.83				
JULY	5.94				
AUG.	1.60				
SEPT.	4.74				
OCT.	(9.83)				
NOV.	(5.52)				
DEC.	(3.62)				
Total	(55.18)				

Signature J W Wilkinson

Chief Engineer.

City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

J. W. Wilkinson, M. Inst. C. E., Chief Engineer,

Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

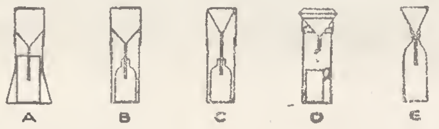
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

This gauge is being examined as its record seems unreliable for the last three months when compared with neighbouring gauges.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

FORM 1090.

B Monthly Summary.

4237

C Particulars of Station.

. The following register of monthly totals, [illegible]., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

Birmingham W.W.

At Pen-y-gareg, No 1

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
(5·05) ✓ JAN.	~~4·75~~				
(6·85) ✓ FEB.	~~5·15~~				
MAR.	3·45 ✓				
APRIL	1·15 ✓				
MAY	1·85 ✓				
JUNE	4·80				
JULY	4·44 ✓				
AUG.	1·82 ✓				
SEPT.	1·20 ✓				
OCT.	7·25 ✓				
NOV.	1·40 ✓				
DEC.	1·68 ✓				
(40·89) Total	~~38·89~~ ✓				

Signature J. Wilkinson

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.E.W.D.
-6 JAN 1934
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

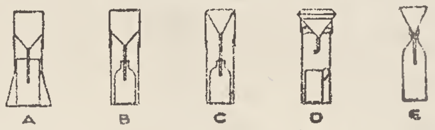
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Slight leak in funnel discovered end of February and new gauge fixed.

Slight leak in funnel discovered end of February & new gauge fixed.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4237

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1934

At Birmingham W.W., Pen-y-gareg

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5.61 ✓				
FEB.	0.60 ✓				
MAR.	4.64 ✓				
(4.38) APRIL	4.70 ✓				
(2.99) MAY	3.20 ✓				
(2.24) JUNE	2.45 ✓				
JULY	2.42 ✓				
(6.20) AUG.	6.84 ✓				
SEPT.	4.20 ✓				
OCT.	5.35 ✓				
(2.68) NOV.	2.95 ✓				
DEC.	11.00 ✓				
(52.31) Total	53.96 ✓				

Signature J. M. Wilkinson
M. Inst. C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

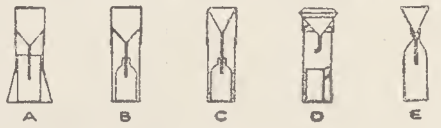
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

104° sheets
As for 4236

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110,

M

4237

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

No I

At Birmingham W.W., Pen-y-gareg

In the County of Radnor

Rain Gauge
Diameter of Funnel ..... in.
Height of Top above Ground ..... *ft* ..... *in.*
Height of Ground above Sea Level 1500 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·55				
FEB.	6·55				
MAR.	1·95				
APRIL	6·30				
MAY	1·90				
JUNE	4·97				
JULY	1·15				
AUG.	2·15				
SEPT.	10·15	✓			
OCT.	~~8·25~~	8·80			
NOV.	~~7·55~~	8·20			
DEC.	~~5·05~~	✓15·55			
Total	~~58·52~~	✓60·22			

Signature J M Wilkinson
M. Inst. C. E.
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.B.W.D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent:— .....

Hour of observation by the clock—in Winter ..... in Summer .....

Nearest Railway Station ..... Distance ..... Direction from gauge .....

Nearest Parish Church at ..... Distance ..... Direction from gauge .....

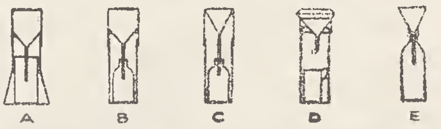
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ..... Distance ..... Direction .....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:— .....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Footnote [illegible]

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4237

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Birmingham W.W., Pen-y-gareg
In the County of Radnor

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	7·98				
FEB.	2·95				
MAR.	3·70				
APRIL	3·52				
MAY	1·98				
JUNE	6·70				
JULY	7·17				
AUG.	·87				
SEPT.	5·06				
OCT.	4·68				
NOV.	6·02				
DEC.	7·88				
Total	58·45	✓			

Signature J. W. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

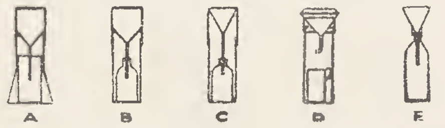
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}$ ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4237

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C. B. W. D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Birmingham W.W. Pen-y-garreg.

In the County of Radnor

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground......ft.......in.
Height of Ground above Sea Level.........ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	9·89				
FEB.	7·85				
MAR.	3·27				
APRIL	4·29				
MAY	(2·00) ~~2·25~~				
JUNE	2·30				
JULY	3·12				
AUG.	1·36				
SEPT.	2·66				
OCT.	3·95				
NOV.	2·14				
DEC.	(4·85) ~~6·50~~				
TOTAL	47·68 ~~49·58~~				

Signature J. M. Wilkinson

M. Inst. C. E.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

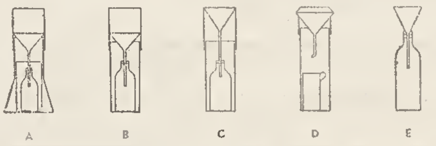
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4237

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Pen-y-gareg

In the County of Radnor

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level...................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11.20				
FEB.	3.60				
MAR.	1.35				
APRIL	0.57				
MAY	4.40				
JUNE	4.75				
JULY	4.93				
AUG.	3.95				
SEPT.	1.75				
OCT.	9.80				
NOV.	9.90				
DEC.	8.09				
TOTAL	64.49				

Signature .... M.Inst.C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C.B.W.D.
31 JAN. 1939
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................................. Distance.............. Direction from gauge............

Nearest Parish Church at.................................. Distance.............. Direction from gauge............

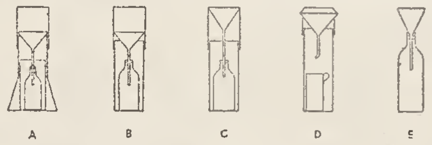
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
V... FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4237

FORM 1090. **B** Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Pen-y-gareg

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground..........ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	9.07				
FEB.	6.55				
MAR.	3.10				
APRIL	3.60				
MAY	1.30				
JUNE	2.25				
JULY	7.90				
AUG.	4.10				
SEPT.	0.84				
OCT.	3.59				
NOV.	14.51				
DEC.	4.35				
TOTAL	61.16				

Signature J. W. Wilkinson. aaB.

* See Instruction 3 *(f)* below.

C Particulars of Station.

C. B. W. D.
- 9 JAN. 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

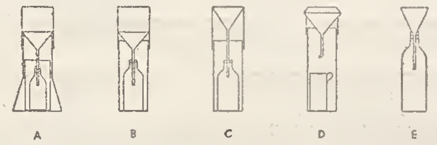
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVEL[illegible] FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

4237

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Birmingham W.W., Pen-y-gareg

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground..........ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·70				
FEB.	4·91				
MAR.	3·93				
APRIL	3·57				
MAY	2·57				
JUNE	0·51				
JULY	6·87				
AUG.	1·18				
SEPT.	3·63				
OCT.	6·88				
NOV.	14·71				
DEC.	6·03				
TOTAL	58·49				

Signature A A Barnes

a/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C. B. W. D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

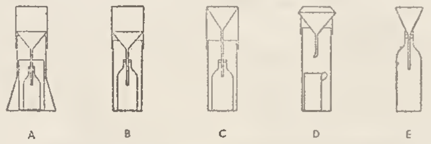
Nature of objects nearest to gauge				
Height of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

4238

—

4238

PEN-Y-GAREG No 2

1931 —— 40

780803

FORM 1090. **B** ...n.

*** The following register of ...ection and also the space for &c., is NOT required if ... values are given on the ...

... this register should be sent:—

...E, Chief Engineer

...House, Birmingham

RAINFALL IN

At PEN-Y-GAREG

In the County of RA

...in Summer

Rain Gauge
- Diameter of Funnel
- *Height of Top above Ground*
- *Height of Ground above Sea*

...istance ... Direction from gauge

...istance ... Direction from gauge

Month.	Total Depth.	Greatest in 24 hours.		·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	6.00				
FEB.	6.10				
MAR.	1.25				
APRIL	4.70				
MAY	5.75				
JUNE	4.20				
JULY	4.60				
AUG.	5.40				
SEPT.	9.25				
OCT.	2.35				
NOV.	10.35				
DEC.	3.10				
Total	57.05				

Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ... Distance ... Direction ...

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M

Signature J. M. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Summary. n.

4238

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At PEN-Y-GAREG NO. 2

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 1540 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	6.00				
FEB.	6.10				
MAR.	1.25				
APRIL	4.70				
MAY	5.75				
JUNE	4.20				
JULY	4.60				
AUG.	5.40				
SEPT.	3.25				
OCT.	2.35				
NOV.	10.35				
DEC.	3.10				
Total	57.05				

Signature J W Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E., Chief Engineer
Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

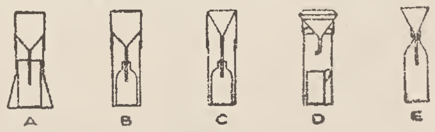
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

- (*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*
- (*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in
- (*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*
- (*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4238

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.*

RAINFALL IN 1932

At PEN-Y-GAREG NO. 2

In the County of RADNOR

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1540 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	9·80				
FEB.	0·10				
MAR.	4·00				
APRIL	5·31				
MAY	5·50				
JUNE	1·84				
JULY	6·40				
AUG.	1·70				
SEPT.	4·45				
OCT.	(10·44)				
NOV.	(5·91)				
DEC.	9·85				
Total	(59·28)				

Signature J.W.Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

/ M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson M. Inst C. E. Chief Engineer
Water Dept Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

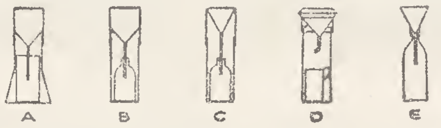
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Leak discovered end November.
Replaced with new gauge 9th Decr.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4238

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Birmingham W.W., Pen-y-gareg

In the County of Radnor No. 2

Rain Gauge

Diameter of Funnel.......................in.

Height of Top above Ground..........ft. ....in.

Height of Ground above Sea Level..........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	5·20				
FEB.	7·40 ✓				
MAR.	3·60 ✓				
APRIL	1·10 ✓	✓			
MAY	1·90				
JUNE	4·60				
JULY	4·50 ✓				
AUG.	1·85 ✓				
SEPT.	1·10 ✓				
OCT.	7·40	✓			
NOV. ✓	1·30 ✓				
(1·68) DEC.	~~0·83~~ ✓				
(41·63) Total	~~40·78~~ ✓				

Signature J. W. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

C. B. W. D.

JAN 1934

CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

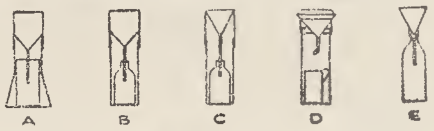
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrected by Observer. 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

4238

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1934

At Birmingham W.W., Pen-y-gareg 2

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
		Inches	Inches	Date.	*	*
	JAN.	6.20 ✓				
	FEB.	0.50 ✓				
(5.12)	MAR.	4.10 ✓				
	APRIL	4.50 ✓				
	MAY	3.10 ✓				
	JUNE	2.25 ✓				
(2.50)	JULY	2.22 ✓				
	AUG.	6.08 ✓				
	SEPT.	4.50 ✓				
(5.64)	OCT.	5.30 ✓				
	NOV.	2.85 ✓				
	DEC.	11.25 ✓				
(55.09)	Total	~~53.45~~ ✓				

Signature J M Wilkinson M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

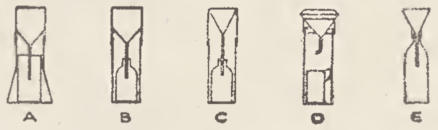
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

107" sheet
as for 4236

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110

M

4238

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

No. 2.

At Birmingham W.W., Pen-y-gareg

In the County of Radnor

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level 1540 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·30				
FEB.	6·50				
MAR.	2·25				
APRIL	6·75				
MAY	1·85				
JUNE	5·30				
JULY	1·10				
AUG.	2·30				
SEPT.	11·10 ✓				
OCT.	~~8·65~~	9·30			
NOV.	~~8·07~~	8·75			
DEC.	~~11·80~~	✓ 5·80			
Total	~~60·97~~	✓ 63·30			

Signature J. M. Wilkinson M. Inst. C.E.
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.B.W.D.
24 JAN. 1936
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

65

[illegible]

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4238

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Birmingham W.W., Pen-y-gareg 2
In the County of Radnor

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
		Inches	Inches	Date	*	*
8.50	JAN.	~~6.58~~				
	FEB.	3.08				
	MAR.	3.80				
	APRIL	3.73				
	MAY	2.10				
	JUNE	6.55				
7.20	JULY	~~6.45~~				
	AUG.	·82				
	SEPT.	4.80				
5.00	OCT.	~~4.60~~				
	NOV.	6.31				
	DEC.	8.60				
60.49	Total	~~57.42~~				

Signature J. M. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
....
....

Hour of observation by the clock—in Winter .... in Summer ....
Nearest Railway Station .... Distance .... Direction from gauge ....
Nearest Parish Church at .... Distance .... Direction from gauge ....

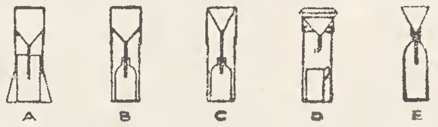
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by obsr.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4238

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Birmingham W.W., Pen-y-gareg, 2.

In the County of Radnor

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground.......ft.........in.
Height of Ground above Sea Level..........ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN. X	10·55 ~~9·80~~				
FEB.	(8·32)				
MAR.	(8·50) ~~9·00~~				
APRIL	4·12				
MAY	2·20				
JUNE	2·30				
JULY	3·02				
AUG.	1·26				
SEPT.	2·61				
OCT.	4·64				
NOV.	2·12				
DEC.	(5·15) ~~6·70~~				
TOTAL	49·79 ~~50·84~~	✓ ✓			

Signature J. M. Wilkinson

M. Inst. C.E.

*See Instruction 2 (*f*) below.

C Particulars of Station.

TRAVELLING FORM.
VALUES FORWARDED

C. B. W. C.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

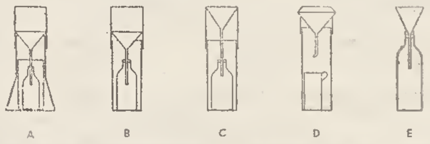
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4238

FORM 1090.

B Monthly Summary.

** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1938..

At Birmingham W.W., Pen-y-gareg 2

In the County of Radnor.................

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level.................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·50				
FEB.	3·50				
MAR.	1·32				
APRIL	0·52				
MAY	4·50				
JUNE	4·55				
JULY	5·14				
AUG.	4·10				
SEPT.	1·90				
OCT.	9·95	✓			
NOV.	9·02	✓			
DEC.	8·42	✓			
TOTAL	65·02				

Signature J. W. Wilkinson M.Inst.C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

C.B.W.D.
31 JAN. 1939
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent :—..

....

Hour of observation by the clock—in Winter........................in Summer........................

Nearest Railway Station........................Distance........................Direction from gauge........................

Nearest Parish Church at........................Distance........................Direction from gauge........................

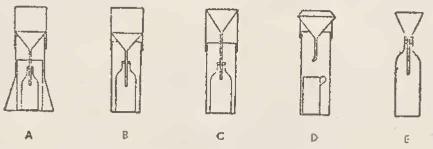
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move........................ Distance........................ Direction........................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
V [illegible] FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91.
S.O. Code No. 40-9999

4238

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Pen-y-garreg, 2.

In the County of ~~Radnor~~

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.........ft...........in.*
- *Height of Ground above Sea Level...............ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	9·03				
FEB.	6·70				
MAR.	3·31				
APRIL	3·50				
MAY	1·25				
JUNE	2·30				
JULY	7·80				
AUG.	3·70				
SEPT.	0·86				
OCT.	3·55				
NOV.	14·20				
DEC.	4·30				
TOTAL	60·50				

Signature J. W. Wilkinson aaB.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C. B. W. D.
-9 JAN. 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.................... Distance.......... Direction from gauge..........

Nearest Parish Church at.................... Distance.......... Direction from gauge..........

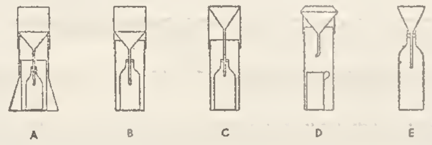
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 ; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 688/91
S.O. Code No. 40-9999

4238

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940.

At Birmingham W.W., Pen-y-gareg 2

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.......ft.......in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·60				
FEB.	4·62				
MAR.	3·81				
APRIL	3·62				
MAY	2·63				
JUNE	0·52				
JULY	6·91				
AUG.	1·21				
SEPT.	3·69				
OCT.	6·93				
NOV.	14·68				
DEC.	5·91				
TOTAL	58·13				

Signature A. A. Barnes

a/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C. B. W. D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

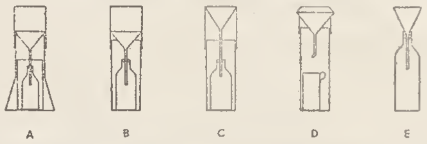
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 663/91 S.O. Code No. 40-9999

FORM 1090. **B** Mo
Su

4239

4239

BRYN-HIR

1931 — 40

7A0803

, The following register of month … and also the space for
&c., is NOT required if daily o
values are given on the other si

…gister should be sent:—
Chief Engineer,
Birmingham

RAINFALL IN 193.

At BRYN-HIR

In the County of RADNOR

…in Summer

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 ft.
Height of Ground above Sea Level

Direction from gauge
Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		N D ·o or	
	Inches.	Inches.	Date.		
JAN.	(11·05)				
FEB.	(9·90)				
MAR.	1·90				
APRIL	7·65				
MAY	5·25				
JUNE	4·80				
JULY	7·80				
AUG.	6·45				
SEPT.	3·95				
OCT.	4·30				
NOV.	(11·95)				
DEC.	6·25				
Total	(81·25)				

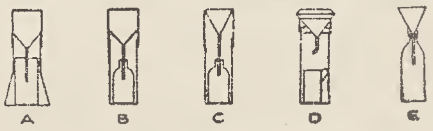
gauge ..

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Signature J.M. Wilkinson
Chief Engineer
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

B

Mo
Su

4239

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At BRYN-HIR

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1470 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(11·05)				
FEB.	(9·90)				
MAR.	1·90				
APRIL	7·65				
MAY	5·25				
JUNE	4·80				
JULY	7·80				
AUG.	6·45				
SEPT.	3·95				
OCT.	4·30				
NOV.	(11·95)				
DEC.	6·25				
Total	(81·25)				

Signature J W Wilkinson
Chief Engineer
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson M. Inst. C.E. Chief Engineer
Water Dept. Council House Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

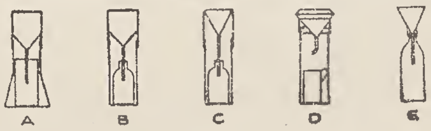
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Monthly Summary.

C Particulars of Station.

4239

** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932

At BRYN HIR

In the County of RADNOR

Rain Gauge:
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 1470 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	9·45				
FEB.	0·25				
MAR.	5·90				
APRIL	6·90				
MAY	6·70				
JUNE	2·45				
JULY	7·85				
AUG.	1·80				
SEPT.	8·55				
OCT.	15·30				
NOV.	7·10				
DEC.	5·10				
Total	77·35				

Signature J. W. Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E. Chief Engineer.
Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4239

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Birmingham W.W., Bryn-Hir

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	8·60				
(8·45) FEB.	~~9·60~~				
MAR.	4·60				
APRIL	0·85 ✓				
MAY	2·55 ✓				
JUNE	5·65				
JULY	6·35 ✓				
AUG.	3·15 ✓				
SEPT.	1·50 ✓				
OCT.	8·50 ✓				
NOV.	2·30 ✓				
DEC.	1·40 ✓				
(53·90) Total	~~55·05~~ ✓				

Signature J. M. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C.B.W.D.
−6 JAN 1934
CHIEF ENGINEER'S OFFICE.

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter........ in Summer........

Nearest Railway Station........ Distance........ Direction from gauge........

Nearest Parish Church at........ Distance........ Direction from gauge........

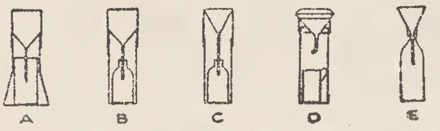
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by Obsr 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

- (*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*
- (*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in
- (*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*
- (*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

2

4239

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham Hill, Bryn Hir

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	8.30 ✓				
FEB.	0.75 ✓				
MAR.	6.55 ✓				
APRIL	5.70 ✓				
MAY	4.35 ✓				
JUNE	2.95				
JULY	4.10 ✓				
AUG.	8.80 ✓				
SEPT.	4.80 ✓				
OCT.	10.25 ✓				
NOV.	3.50 ✓				
DEC.	14.50 ✓				
Total	74.55 ✓				

Signature J M Wilkinson M.Inst.C.E.,
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

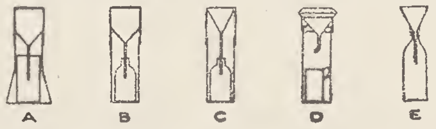
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4239

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Birmingham W.W., Bryn-Hir

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·85				
FEB.	9·90				
MAR.	3·20				
APRIL	7·50				
MAY	2·30				
JUNE	7·10				
JULY	2·45				
AUG.	3·50				
SEPT.	12·65 ✓				
OCT.	13·75				
NOV.	10·45				
DEC.	6·80 ✓				
Total	85·45 ✓				

Signature J. M. Wilkinson

M. Inst. C.E.
Chief Engineer.

*See Instruction 2 (*f*) below.

C Particulars of Station.

C. B. W. B.
24 JAN. 1936
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible —

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter........ in Summer........

Nearest Railway Station........ Distance........ Direction from gauge........

Nearest Parish Church at........ Distance........ Direction from gauge........

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4239

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Birmingham W.W., Bryn Hir

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	8·65				
FEB.	3·85				
MAR.	4·00				
APRIL	4·00				
MAY	5·55				
JUNE	6·50				
JULY	9·55				
AUG.	1·95				
SEPT.	6·90				
OCT.	7·95				
NOV.	9·10				
DEC.	13·95				
Total	79·95				

Signature J. Wilkinson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

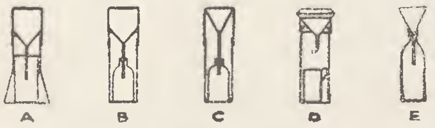
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4239

FORM 1090. **B** Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W. Bryn Hir

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.......ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·00				
FEB.	11·10				
MAR.	5·30				
APRIL	7·90				
MAY	2·75				
JUNE	9·40				
JULY	3·65				
AUG.	1·40				
SEPT.	4·85				
OCT.	5·15				
NOV.	2·30				
DEC.	8·40				
TOTAL	69·20				

Signature J. M. Wilkinson

M. Inst. C. E.

*See Instruction 2 (*f*) below.

C Particulars of ~~Station.~~

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

C.B.W.D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

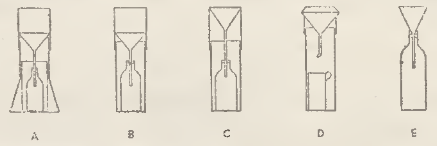
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4239

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Bryn Hir

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground.........ft.........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·40 ✓				
FEB.	5·10 ✓				
MAR.	2·90 ✓				
APRIL	1·40 ✓				
MAY	4·15 ✓				
JUNE	7·25 ✓				
JULY	7·95 ✓				
AUG.	6·10 ✓				
SEPT.	3·30 ✓				
OCT.	11·65 ✓				
NOV.	11·60 ✓				
DEC.	9·10 ✓				
TOTAL	83·90				

Signature J. W. Wilkinson
M.Inst.C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

C. B. W. D.
31 JAN 1939
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

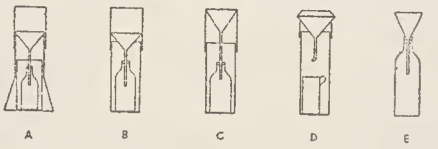
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
V [illegible] WARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91.
S.O. Code No. 40-9999

4239

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Bryn Hir

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	11·30				
FEB.	9·85 ✓				
MAR.	4·90 ✓				
APRIL	5·45 ✓				
MAY	1·45 ✓				
JUNE	3·70 ✓				
JULY	10·30 ✓				
AUG.	3·90 ✓				
SEPT.	1·45 ✓				
OCT.	4·10 ✓				
NOV.	19·70 ✓				
DEC.	7·10 ✓				
TOTAL	83·20				

Signature J. W. Wilkinson.

aaB

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
- 9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer....................

Nearest Railway Station.. Distance..................Direction from gauge.............

Nearest Parish Church at.. Distance..................Direction from gauge...........

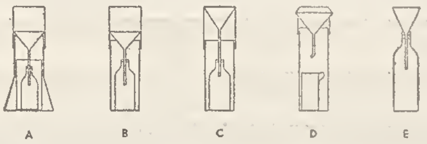
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
   (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
   (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 666/91
S.O. Code No. 40-9999

4239

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Birmingham W.W., Bryn Hir.

In the County of Radnor

Rain Gauge
- Diameter of Funnel.........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level...................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·60 ✓				
FEB.	5·85 ✓				
MAR.	5·45 ✓				
APRIL	4·30 ✓				
MAY	2·35 ✓				
JUNE	0·80 ✓				
JULY	12·40 ✓				
AUG.	2·75				
SEPT.	5·45 ✓				
OCT.	8·85 ✓				
NOV.	14·85 ✓				
DEC.	8·20 ✓				
TOTAL	75·85 ✓				

Signature A. A. Barnes
a/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C. B. W. D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.............................in Summer.....................

Nearest Railway Station...................................... Distance.................. Direction from gauge..............

Nearest Parish Church at...................................... Distance.................. Direction from gauge..............

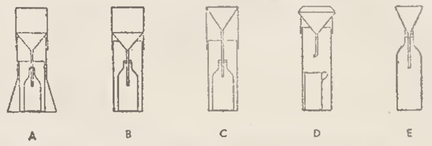
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4240

4240

ABERCAETHON

1931 — 40

280803

FORM 1090. **B** Mont
Sum

, The following register of monthly
&c., is NOT required if daily or
values are given on the other side

l also the space for

er should be sent:—
Chief Engineer
Birmingham

RAINFALL IN 1931

At ABERCAETHON

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.* 0
Height of Ground above Sea Level 124

ı Summer

Direction from gauge

Direction from gauge

gauge ..

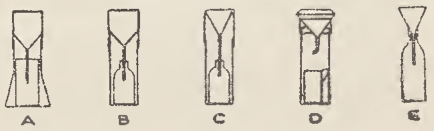
Month.	Total Depth.	Greatest Fall in 24 hours.		Numb Days ·01 in or more	
	Inches.	Inches.	Date.	*	
JAN.	9.20				
FEB.	8.85				
MAR.	1.90				
APRIL	6.50				
MAY	4.00				
JUNE	4.10				
JULY	6.30				
AUG.	5.75				
SEPT.	3.50				
OCT.	3.70				
NOV.	10.75				
DEC.	5.15				
Total	69.70				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M

Signature J M Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Mont Summary.

42H0

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At ABERCAETHON

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 12H0 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9.20				
FEB.	8.85				
MAR.	1.90				
APRIL	6.50				
MAY	4.00				
JUNE	4.10				
JULY	6.30				
AUG.	5.75				
SEPT.	3.50				
OCT.	3.70				
NOV.	10.75				
DEC.	5.15				
Total	69.70				

M *Signature* J W Wilkinson
Chief Engineer
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E. Chief Engineer
Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

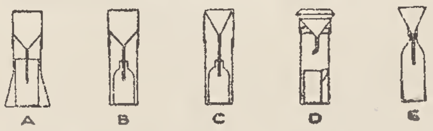
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following* 9 *a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932

At ABERCAETHON

In the County of RADNOR

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* 0 *in.*
- *Height of Ground above Sea Level* 1240 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	10·15				–
FEB.	0·20				
MAR.	(4·87)				
APRIL	6·70				
MAY	5·55				
JUNE	2·15				
JULY	6·90				
AUG.	1·80				
SEPT.	7·20				
OCT.	14·75				
NOV.	6·75				
DEC.	4·75				
Total	(71·77)				

Signature J W Wilkinson
Chief Engineer.
City of Birmingham Water Dept.

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

4240

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson M. Inst. C. E. Chief Engineer
Water Dept, Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

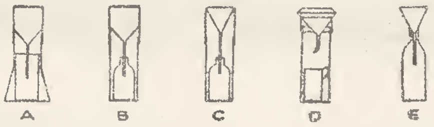
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4240

FORM 1090. **B** Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Birmingham W.W., Abercaethon

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft.* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7·65				
FEB.	7·75 ✓				
MAR.	4·45 ✓				
APRIL	0·85 ✓				
MAY	2·20 ✓				
JUNE	5·10				
JULY	6·10 ✓				
AUG.	2·40 ✓				
SEPT.	1·35 ✓				
(8·05) ✓ OCT.	~~8·70~~ ✓				
NOV.	2·00 ✓				
DEC.	1·45 ✓				
(49·35) Total	~~50·00~~ ✓				

Signature J. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

C.B.W.D.
-6 JAN 1934
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

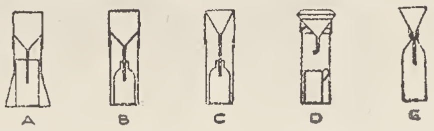
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by Obsr. 1·34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

4240

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W, Abercaethon

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	8.00 ✓				
FEB.	0.45 ✓				
MAR.	6.60 ✓				
APRIL	5.45 ✓				
MAY	3.85 ✓				
JUNE	2.55				
JULY	3.80 ✓				
AUG.	7.75 ✓				
(4.70) SEPT.	0.90	(Interfered with)			
OCT.	8.50 ✓				
NOV.	3.30 ✓				
DEC.	12.10 ✓				
(67.05) Total	~~63.25~~ ✓ ✓				

Signature .... M.Inst.C.E.,
Chief Engineer
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

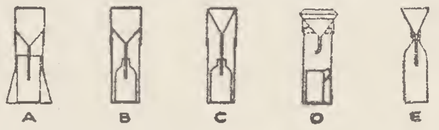
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

On 10 yr sheet
retain values in brackets
for Sept & Year

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4240

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Birmingham W.W., Abercaethon

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* ...... *ft* ...... *in.*
- *Height of Ground above Sea Level* 1240 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·00				
FEB.	9·75				
MAR.	2·65				
APRIL	7·65				
MAY	2·00				
JUNE	5·70				
JULY	2·00				
AUG.	3·20				
SEPT.	(10·15)				
OCT.	(11·50)				
NOV.	10-25 ~~10·25~~	~~9·55~~		obsr. concurs in original value	
DEC.	6·40				
Total	76·25 ~~75·55~~				

Signature J. Wilkinson

M.Inst. C.E.,
Chief Engineer

*See Instruction 2 (*f*) below.

C Particulars of Station.

C. B. W. D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

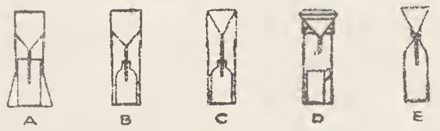
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

[illegible] noted in file
70·8

[illegible]

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4240

FORM 1090.

B Monthly Summary.

***The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W., Abercaethon

In the County of Radnor

Rain Gauge
- Diameter of Funnel ....in.
- *Height of Top above Ground*..................*ft*..................*in.*
- *Height of Ground above Sea Level*..................*ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	8·30				
FEB.	3·90				
MAR.	3·65				
APRIL	4·10				
MAY	2·60				
JUNE	5·85				
JULY	8·85				
AUG.	1·55				
SEPT.	6·45				
OCT.	7·60				
NOV.	8·45				
DEC.	12·10				
Total	73·40				

Signature J. Wilkinson

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

---

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4240

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Abercaethon.

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground........ft............in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·95				
FEB.	10·20				
MAR.	4·10				
APRIL	7·35				
MAY	2·20				
JUNE	3·15				
JULY	3·45				
AUG.	1·40				
SEPT.	3·40				
OCT.	4·30				
NOV.	2·20				
DEC.	6·15				
TOTAL	60·85				

Signature ....

M.Inst.C.E.

*See Instruction 2 (*f*) below.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C.B.W.D.
27 JAN 1938
CHIEF ENGINEER'S OFFICE.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

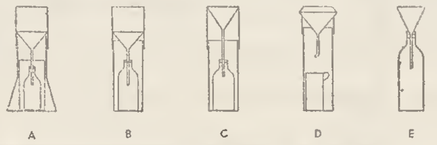
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4240

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Abercaethon

In the County of Radnor

Rain Gauge
- Diameter of Funnel.......................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level...................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·30				
FEB.	5·25				
MAR.	2·10				
APRIL	0·95				
MAY	4·15				
JUNE	6·60				
JULY	6·10				
AUG.	5·25				
SEPT.	2·75				
OCT.	9·90				
NOV.	12·15				
DEC.	8·45				
TOTAL	76·95				

Signature J. W. Wilkinson M.Inst.C.E.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

C. B. W. D.
21 JAN 1939
CHIEF ENGINEER'S OFFICE

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.................... Distance.................. Direction from gauge..........

Nearest Parish Church at.................... Distance.................. Direction from gauge..........

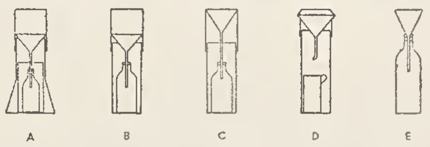
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4240

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.*

RAINFALL IN 1939.

At Birmingham W.W. Abercaethon

In the County of Radnor

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground.........ft..........in.
Height of Ground above Sea Level..........ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
(10·80) JAN.	~~11·30~~				
FEB.	8·75				
MAR.	4·45				
APRIL	5·20				
MAY	1·25				
JUNE	3·15				
JULY	9·50				
AUG.	3·70				
SEPT.	1·25				
OCT.	3·95				
NOV.	18·20				
DEC.	6·30				
76·50 TOTAL	~~77·00~~				

Printed

Signature J. W. Wilkinson
aaB.

* See Instruction 3 (*f*) below.

C .Particulars of Station.

C.B.W.D.
9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

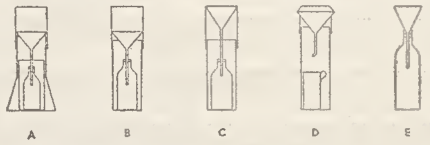
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

amended values in red ink, made by Engineer at close of year

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 8079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4240 ✓

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Birmingham W.W., Abercaethon

In the County of Radnor

Rain Gauge
- Diameter of Funnel..................in.
- *Height of Top above Ground*........*ft*........*in.*
- *Height of Ground above Sea Level*..............*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·20 ✓				
FEB.	4·60 ✓				
MAR.	4·85 ✓				
APRIL	3·80 ✓				
MAY	2·20 ✓				
JUNE	0·75 ✓				
JULY	9·70 ✓				
AUG.	2·75 ✓				
SEPT.	4·70 ✓				
OCT.	8·60 ✓				
NOV.	14·90 ✓				
DEC.	7·65 ✓				
TOTAL	68·70 ✓				

Signature A A Barnes
a/ CHIEF ENGINEER

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

C. B. W. D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

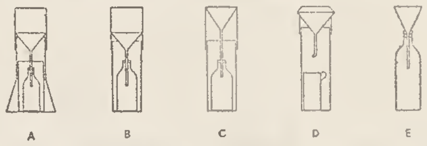
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91
S.O. Code No. 40-9999

FORM 1090. **B** Mo
Sun

4241

—

4241

CALETTWR
1931 — 40

780803

*** The following register of monthl
&c., is NOT required if daily or
values are given on the other sid

d also the space for

ster should be sent:—
Chief Engineer.
Birmingham

RAINFALL IN 1931

At CALETTWR

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 ft. 0
Height of Ground above Sea Level 140

n Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Num Days ·01 in or mor	
	Inches.	Inches.	Date.	*	
JAN.	10.45				
FEB.	10.15				
MAR.	1.60				
APRIL	7.35				
MAY	4.65				
JUNE	4.30				
JULY	7.15				
AUG.	6.30				
SEPT.	3.90				
OCT.	4.40				
NOV.	13.20				
DEC.	6.55				
Total	80.00				

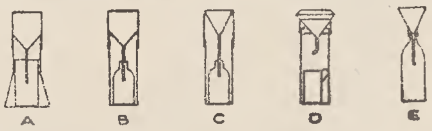
Directions from gauge ..

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

M

Signature J M Wilkinson
Chief Engineer.
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Mo… Sun…

4241

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At CALETTWR

In the County of RADNOR

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1490 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	10.45				
FEB.	10.15				
MAR.	1.60				
APRIL	7.35				
MAY	4.65				
JUNE	4.30				
JULY	7.15				
AUG.	6.30				
SEPT.	3.90				
OCT.	4.40				
NOV.	13.20				
DEC.	6.55				
Total	80.00				

M

Signature J W Wilkinson
Chief Engineer.
City of Birmingham Water Dept

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson, M. Inst. C.E., Chief Engineer.
Water Dept. Council House, Birmingham

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

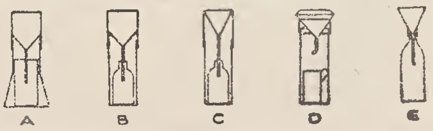
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

B Monthly Summary.

4241

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At CALETTWR.

In the County of RADNOR

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft* 0 *in.*

Height of Ground above Sea Level 1490 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	(11·87)				
FEB.	0·15				
MAR.	5·80				
APRIL	7·50				
MAY	6·85				
JUNE	2·00				
JULY	6·00				
AUG.	1·85				
SEPT.	9·15				
OCT.	15·10				
NOV.	(7·91)				
DEC.	5·55				
Total	(81·55)				

Signature J W Wilkinson
Chief Engineer.
City of Birmingham Water Dept

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
J. W. Wilkinson M. Inst. C. E. Chief Engineer, Water Dept, Council House, Birmingham.

Hour of observation by the clock—in Winter ………… in Summer …………

Nearest Railway Station ………… Distance ………… Direction from gauge …………

Nearest Parish Church at ………… Distance ………… Direction from gauge …………

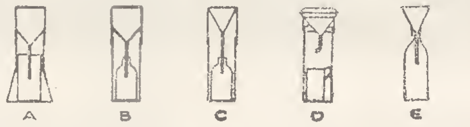
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ………… Distance ………… Direction …………

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Leak discovered end November.
Replaced with new gauge 9th Dec.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

4241

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, ..., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Birmingham W.W., Caletherr

In the County of Radnor

Rain Gauge
Diameter of Funnel............in.
Height of Top above Ground............ft ....in.
Height of Ground above Sea Level............ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9·60				
FEB.	9·65 ✓				
MAR.	4·90 ✓				
APRIL	0·90 ✓				
MAY	2·40 ✓				
(6·15) ✓ JUNE	~~5·25~~				
JULY	6·10 ✓				
AUG.	2·90 ✓				
(1·55) ✓ SEPT.	~~1·40~~ ✓				
(9·45) ✓ OCT.	~~8·40~~ ✓				
NOV.	2·25 ✓				
(1·55) ✓ DEC.	~~1·80~~ ✓				
(57·40) Total	~~55·05~~ ✓				

Signature J. Wilkinson

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

C. E. W. D.
5 JAN 1934
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............Distance............Direction from gauge............

Nearest Parish Church at............Distance............Direction from gauge............

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............Distance............Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

Corrected by Observer, 1.34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

D

7

4241

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Birmingham W.W., Caletwr

In the County of Radnor

Rain Gauge { Diameter of Funnel.................in.

Height of Top above Ground..........*ft*..........*in*.

Height of Ground above Sea Level..........*ft*.

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
					·01 in. or more	·04 in. or more
		Inches	Inches	Date.	*	*
(9·46)	JAN. ?	7·95 ✓				
	FEB.	0·60 ✓				
(7·69)	MAR.	5·65 ✓				
(6·28)	APRIL	5·15 ✓				
(4·56)	MAY	3·95 ✓				
	JUNE	3·10 ✓				
	JULY	4·30 ✓				
	AUG.	8·15 ✓				
	SEPT.	5·40 ✓				
	OCT.	9·85 ✓				
(3·85)	NOV.	3·25 ✓				
(14·16)	DEC.	12·80 ✓				
(77·40)	Total	~~70·15~~ ✓				

Signature J M Wilkinson M.Inst.C.E.
Chief Engineer.
City of Birmingham Water Dept.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

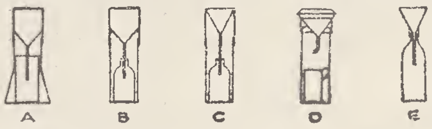
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Retain values in brackets for months of year on 1077 sheet

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

M

4241

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Birmingham W.W., Caletwr

In the County of Radnor

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... ft .... in.
Height of Ground above Sea Level 1490 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	5·40				
FEB.	~~10·20~~	11·40			
MAR.	3·15				
APRIL	~~7·65~~	8·85			
MAY	~~1·75~~	2·25			
JUNE	6·35				
JULY	2·90				
AUG.	3·85				
SEPT.	12·10				
OCT.	13·30				
NOV.	~~10·05~~	11·20			
DEC.	~~6·50~~	7·25			
Total	~~83·20~~	88·00			

Signature J. Wilkinson M.Inst.C.E.
Chief Engineer.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

C. B. W. D.
24 JAN 1936
CHIEF ENGINEER'S OFFICE.

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

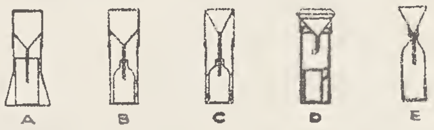
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

4241

FORM 1090.

B Monthly Summary.

*⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Birmingham W.W., Calettwr

In the County of Radnor

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

	Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
					·01 in or more	·04 in. or more
		Inches	Inches	Date	*	*
	JAN.	8.85 ✓				
	FEB.	3.70 ✓				
	MAR.	3.85 ✓				
4.45	APRIL	~~3.70~~				
	MAY	2.95 ✓				
6.35	JUNE	~~5.90~~ ✓				
9.35	JULY	~~9.80~~				
	AUG.	2.05				
	SEPT.	6.55 ✓				
	OCT.	8.15				
	NOV.	8.90 ✓				
12.65	DEC.	11.65 ✓				
77.80 ✓	Total	~~76.05~~				

Signature J. Wilkinson

*See Instruction 2 (*f*) below.

~~C~~ Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Corrd. by obsr.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh 2; York Street, Manchester 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(586) Wt.283/202 16,000 5/34. Gp.119/110.

4241

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

C.B.W.D.
27 JAN. 1938
CHIEF ENGINEER'S OFFICE.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Birmingham W.W., Calettwr

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13.15 ~~12.15~~				
FEB.	(11.70)				
MAR.	4.30				
APRIL	7.30				
MAY	2.55				
JUNE	9.10				
JULY	9.55				
AUG.	1.25				
SEPT.	(4.00) ~~4.50~~				
OCT.	4.45				
NOV.	2.55				
DEC.	7.35				
TOTAL	65.25 ~~65.75~~				

Signature ....

M. Inst. C.E.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer....................

Nearest Railway Station.................................. Distance.................. Direction from gauge..............

Nearest Parish Church at.................................. Distance.................. Direction from gauge..............

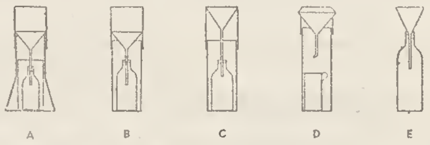
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance................. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast, or through any Bookseller. Price 1d. Net.

Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.

Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

4241

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Birmingham W.W., Calettwr

In the County of Radnor

Rain Gauge
Diameter of Funnel.........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level.................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	15·40				
FEB.	4·90				
MAR.	2·40				
APRIL	1·20				
MAY	3·90				
JUNE	7·30				
JULY	7·15				
AUG.	5·90				
SEPT.	3·15				
OCT.	11·10				
NOV.	12·15				
DEC.	8·85				
TOTAL	83·40				

Signature J M Wilkinson
M.Inst.C.E.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

C.B.W.D.
31 JAN 1939
CHIEF ENGINEER'S OFFICE.

Hour of observation by the clock—in Winter.........................in Summer.........................

Nearest Railway Station......................... Distance......................... Direction from gauge.........................

Nearest Parish Church at......................... Distance......................... Direction from gauge.........................

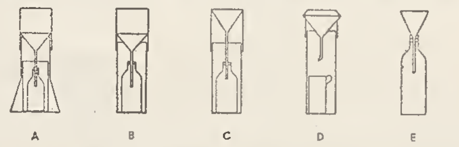
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move......................... Distance......................... Direction.........................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller
Price 1d. Net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

4241

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Birmingham W.W., Calettwr

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level.................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches ✓	Inches	Date	*	*
JAN.	11·45				
FEB.	9·50 ✓				
MAR.	4·65 ✓				
APRIL	5·00 ✓				
MAY	1·20 ✓				
JUNE	3·45 ✓				
JULY	10·45 ✓				
AUG.	4·05 ✓				
SEPT.	1·35				
OCT.	4·00 ✓				
NOV.	19·15 ✓				
DEC.	7·30 ✓				
TOTAL	81·55				

Signature J. W. Wilkinson

AAB

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.B.W.D.
9 JAN 1940
CHIEF ENGINEER'S OFFICE.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........................in Summer....................

Nearest Railway Station.................................... Distance.................. Direction from gauge..............

Nearest Parish Church at.................................... Distance.................. Direction from gauge..............

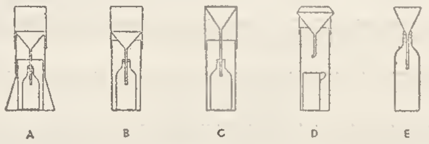
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}{\cdot}14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

4241

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Birmingham W.W., Calettwr

In the County of Radnor

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground........ft..........in.*
- *Height of Ground above Sea Level..........ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4.10 ✓				
FEB.	5.30 ✓				
MAR.	5.00 ✓				
APRIL	3.85 ✓				
MAY	2.15 ✓				
JUNE	0.85 ✓				
(11.40) JULY	~~12.40~~ ✓				
AUG.	2.80				
SEPT.	5.50 ✓				
OCT.	8.40 ✓				
NOV.	14.20 ✓				
DEC.	7.85 ✓				
(71.40) TOTAL	~~72.40~~ ✓				

Signature A. A. Barnes.

a/CHIEF ENGINEER.

* See Instruction 3 (*f*) below.

C Particulars of Station.

C.E.W.D.
14 JAN 1941
CHIEF ENGINEER'S OFFICE

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.......... Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

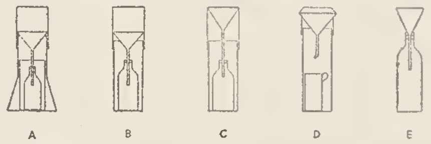
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

LONDON: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased directly from H.M STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.
Price 1d. net
Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

Section **A** for the entry o
AIR MINIST
FORM 1090
REGI

Kept at The Hall, alt
in the County of Rads.
Diameter of Funnel of Gauge.....
Height of top of Gauge above G
,, Ground ,, S
THE MORNING MEASU
An observer who does not conform
year in the space on the right of
P

tation No. 4241/5
L ORGANIZATION
4
surrounding stns.
D
DAY
following

Jan. 1, following

4241/5
ABBEY CUM HIR, THE HALL
1934 — 40

760803

Date	Jan.	Feb.	Mar.								.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1				—	—	—	—	—	—	—	—	(·50)		1
2				—	—	—	—	·45	·09	·41	—	·90		2
3				—	—	—	—	·12	·32	·15	·40	·17		3
4				—	·05	—	—	—	·25	·65	—	·57		4
5				·50	·16	—	—	·10	—	—	—	·40		5
6				~~·52~~	·13	—	—	·83	—	—	—	·15		6
7				—	·62	—	—	—	—	·46	—	·15		7
8				—	·01	—	—	·06	—	·08	·30	1·00		8
9				—	·20	—	—	—	·08	—	·24	·60		9
10				—	—	—	—	·30	—	—	·50	·15		10
11				·09	—	—	—	·25	—	—	·30	·13		11
12				·54	—	—	·18	·28	—	—	—	—		12
13				·52	—	—	·25	·04	—	—	—	—		13
14				·01	—	—	—	—	—	·12	—	·20		14
15				—	—	·07	—	—	—	(·25)	·20	·47		15
16				—	·20	~~·31~~	·10	—	—	·85	—	·43		16
17				—	·05	—	—	—	—	—	—	·11		17
18				·52	—	—	·48	—	·31	—	—	·57		18
19				·39	—	·31	—	—	·12	—	—	—		19
20				·04	·10	—	—	—	·33	—	—	·72		20
21				—	·01	—	—	·08	—	—	—	·50		21
22				—	—	—	·24	·31	·42	·31	—	—		22
23				—	·07	—	~~·24~~	—	—	—	—	—		23
24				·34	—	·33	—	—	—	—	(·50)	—		24
25				—	—	·10	—	—	—	—	—	—		25
26				·35	—	·67	—	·03	·26	—	—	·72		26
27				·05	—	·24	·03	—	·20	—	—	·38		27
28				·10	—	·24	—	—	—	—	—	·09		28
29				·43	—	—	~~·24~~	·64	·22	·74	—	·82		29
30		✕		—	—	—	·31	—	·23	·30	—	·17		30
31		✕		✕	—	✕	·07	·54	(·25) ✕	—	✕	·35		31
TOTAL				3·88	1·60	1·96	1·90	4·03	3·08 ~~2·83~~	4·12	2·44 ~~1·94~~	10·25 ~~9·75~~	Year's Total imp	rp recd. 9/38
* Days with .01 in. or more.				~~13~~	~~11~~	~~7~~	~~9~~	~~14~~	~~12~~	~~10~~	~~6~~	~~23~~	~~imp~~	
* Days with .04 in. or more.				~~12~~	~~9~~	~~7~~	~~8~~	~~13~~	~~12~~	~~10~~	~~6~~	~~23~~	~~imp~~	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

Section **A** **for the entry** tation No. 4241/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1934

Kept at The Hall, Altbey Cum Hic

in the County of Rads

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ....ft.........in.

,, Ground ,, Sea Level ....ft.

Record adjusted by surrounding stns. + cond. for W.D.

W.D

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1				—	—	—	—	—	—	—	—	(·50)		1
2				—	—	—	—	·45	·09	·41	—	·90		2
3				—	—	—	—	·12	·32	·15	·40	·17		3
4				—	·05	—	—	—	·25	·65	—	·57		4
5				·50	·16	—	—	·10	—	—	—	·40		5
6				~~·52~~	·13	—	—	·83	—	—	—	·15		6
7				—	·62	—	—	—	—	·46	—	·15		7
8				—	·01	—	—	·06	—	·08	·30	1·00		8
9				—	·20	—	—	—	·08	—	·24	·60		9
10				—	—	—	—	·30	—	—	·50	·15		10
11				·09	—	—	—	·25	—	—	·30	·13		11
12				·54	—	—	·18	·28	—	—	—	—		12
13				·52	—	—	·25	·04	—	—	—	—		13
14				·01	—	—	—	—	—	·12	—	·20		14
15				—	—	·07	—	—	—	(·25)	·20	·47		15
16				—	·20	~~·31~~	·10	—	—	·85	—	·43		16
17				—	·05	—	—	—	—	—	—	·11		17
18				·52	—	—	·48	—	·31	—	—	·57		18
19				·39	—	·31	—	—	·12	—	—	—		19
20				·04	·10	—	—	—	·33	—	—	·72		20
21				—	·01	—	—	·08	—	—	—	·50		21
22				—	—	—	·24	·31	·42	·31	—	—		22
23				—	·07	—	~~·24~~	—	—	—	—	—		23
24				·34	—	·33	—	—	—	—	(·50)	—		24
25				—	—	·10	—	—	—	—	—	—		25
26				·35	—	·67	—	·03	·26	—	—	·72		26
27				·05	—	·24	·03	—	·20	—	—	·38		27
28				·10	—	·24	—	—	—	—	—	·09		28
29				·43	—	—	~~·24~~	·64	·22	·74	—	·82		29
30		✕		—	—	—	·31	—	·23	·30	—	·17		30
31		✕		✕	—	✕	·07	·54	(·25) ✕	—	✕	·35		31
TOTAL				3·88	1·60	1·96	1·90	4·03	3·08 ~~2·83~~	4·12	2·46 ~~1·94~~	10·25 ~~9·75~~	Year's Total imp	np recd 9/38
* Days with .01 in. or more.				~~13~~	~~11~~	~~7~~	~~9~~	~~14~~	~~12~~	~~10~~	~~6~~	~~23~~	~~imp~~	
* Days with .04 in. or more.				~~12~~	~~9~~	~~7~~	8	13	12	10	6	23	~~imp~~	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4241/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1935

Kept at The Hall, Abbey Cwm Hir

in the County of Rads

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ......ft......in.

,, Ground ,, Sea Level ......ft.

Adjusted by surrounding stns. and corrected for W.D.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	·20	—	—	—	—	—	—	·28	·32	·41		1
2	—	—	—	—	—	·08	—	—	·49	·12	·01	·45		2
3	—	·03	—	—	—	—	—	—	·19	·18	·06	·30		3
4	—	—	—	—	—	—	—	—	·09	·36	·32	·21		4
5	—	—	—	·20	—	·22	—	—	·09	·07	·01	—		5
6	14	·60	·38	·15	—	—	—	—	—	—	·30	—		6
7	—	—	—	·30	—	·75	—	—	—	—	—	·20		7
8	—	—	—	·17	—	·32	—	—	—	·61	—	·15		8
9	—	—	—	·38	—	—	—	—	—	—	—	·31		9
10	—	—	—	·40	—	·33	—	—	—	·51	·39	—		10
11	·05	—	—	·56	—	—	—	—	—	·27	·15	—		11
12	·38	—	—	·41	—	·26	—	·08	—	·07	·29	—		12
13	—	—	—	—	—	·24	·23	—	·01	—	·36	—		13
14	·12	—	—	·14	—	—	—	—	·63 ✓	·03	·21	—		14
15	—	—	—	·16	—	·09	·11	—	·24 ✓	—	·25	—		15
16	—	·77	—	1·00	—	—	—	·18	·11 ✓	·10	1·02	·47		16
17	—	(·50)	—	—	·70×	·04	—	·05	1·02 ✓	·30	·25	·23		17
18	—	—	—	·85	—	—	—	·07	~~·13~~ ✓	—	·58	—		18
19	—	—	—	—	—	·23	—	—	—	·20	·05	—		19
20	—	—	—	—	·45 (·26)	·53	·22	—	— 1·33	—	—	—		20
21	—	·69	—	·33	—	·03	—	—	—	—	1·00	—		21
22	—	·50	—	—	—	—	—	—	~~1·20~~	—	·10	—		22
23	—	·60	·15	·28	—	—	—	—	·43	—	—	—		23
24	—	·40	·62	—	—	—	—	—	—	·66	—	—		24
25	·23	—	—	·38	—	—	—	—	1·42	·18	—	—		25
26	—	—	—	—	—	(4·50)	—	—	—	—	—	—		26
27	—	·30	—	—	—	—	—	·65	—	·05	·14	·53		27
28	—	—	—	—	—	—	·02	·09	1·25	·10	·13	—		28
29	—	—	—	—	—	—	—	—	·27	·10	·33	·40		29
30	·43	×	—	—	—	—	—	—	·15	—	—	—		30
31	—	×	—	×	—	×	—	·06	× ·28	·50 ·32	× ·41	·23 (·10)	'J'	31
TOTAL	1·35	~~3·89~~ 4·39	1·35	5·71	~~1·15~~ 1·40	(4·62) ~~3·62~~	·58	1·18	8·00 ~~7·72~~	4·73 ~~4·69~~	~~6·27~~ 6·36	~~3·89~~ 3·58	Year's Total ~~41·10~~	43·25
* Days with .01 in. or more.	~~6~~	~~8~~	~~4~~	~~15~~	~~2~~	~~13~~	~~4~~	~~7~~	~~16~~	~~19~~	~~21~~	~~12~~	~~127~~	
* Days with .04 in. or more.	6	7	4	15	2	12	3	7	15	18	19	12	~~120~~	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 4241/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Corrected for W.D.

Kept at The Hall, Abbey Cwm Hir

in the County of Rads.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ......ft.......in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: ·54

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·35	·22	·43	—	·48	—	·08	·01	—	—	—		1
2	—	·50	·05	—	—	·40	—	·04	—	—	·12	—		2
3	·31	—	—	·40	—	·25	—	·06	·22	—	·11	·10		3
4	·16	—	—	—	—	·24	·02	·18	·49	—	—	·16		4
5	—	—	·10	—	—	·08	—	·01	·57	—	·96	·05		5
6	—	—	·12	—	·20	—	·07	—	·11	—	—	·53		6
7	—	—	—	—	—	—	·25	·01	·14	—	·56	—		7
8	·95	—	·16	—	—	—	·17	—	·54	—	·30	—		8
9	·75	—	—	—	—	—	·07	·11	·07	—	·80	—		9
10	·51	—	·37	—	—	—	·84	·16	·20	·06	·20	—		10
11	—	—	—	—	—	—	·21	—	·01	—	·16	—		11
12	—	—	—	—	·16	·12	·15	—	—	·01	·80	·17		12
13	—	—	—	·16	·30	·13	1·00	—	—	—	·15	—		13
14	—	—	—	—	—	—	·08	·02	·58	·07	·07	2·10		14
15	—	—	—	·16	—	·16	·25	—	—	—	—	—		15
16	—	—	—	—	·63	—	·03	—	—	—	·46	·53		16
17	—	—	—	—	—	—	·09	—	—	—	·38	·12		17
18	—	1·10	—	—	·30	—	·92	—	—	·26	—	·27		18
19	·28	—	—		·20	—	·59	·11	—	·27	—	—		19
20	—	—	—	·18	—	·25	—	·04	—	·10	—	—		20
21	—	·59	·15	—	—	1·00	—	—	—	—	—	—		21
22	—	—	—	—	—	1·00	·07	—	—	—	—	—		22
23	—	—	·40	—	—	·06	—	—	·13	—	—	—		23
24	·25	·20	—	·80	—	—	·62	—	—	—	—	—		24
25	·40	·05	—	·50	—	—	—	—	·27	·44	—	—		25
26	—	—	—	·35	—	—	·19	—	·40	·54	—	—		26
27	·80	·04	·65	—	—	·01	—	—	—	·14	—	—		27
28	—	·19	—	—	—	—	—	—	·02	·14	—	—		28
29	—	—	·56	—	—	—	·13	—	—	·01	—	—		29
30	—	✕	·08	—	·45	—	·17	—	—	—	·10	·27		30
31	·10 ·35	✕ ·22	— ·43	✕ —	— ·48	✕ —	·04 ·08	— ·01	✕ —	·87	✕ —	·05		31
TOTAL	~~4·57~~ 4·86	~~3·02~~ 2·89	~~2·86~~ 3·07	~~2·98~~ 2·55	~~2·18~~ 2·66	~~4·18~~ 3·70	~~7·33~~ 7·41	~~·76~~ ·69	~~3·76~~ 3·75	2·91	4·98	·54 ~~4·35~~ 4·89	Year's Total ~~43·82~~	44·36
* Days with .01 in. or more.	~~10~~	~~8~~	~~11~~	~~8~~	~~7~~	~~13~~	~~21~~	~~11~~	~~15~~	~~12~~	~~14~~	~~11~~	~~141~~	np
* Days with .04 in. or more.	~~10~~	~~8~~	~~11~~	~~8~~	~~7~~	~~12~~	~~19~~	~~8~~	~~12~~	~~10~~	~~14~~	~~11~~	~~130~~	recd. 9/38

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4241/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at The Hall, Abbey Cum Hir.
in the County of Rads.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground.........ft..........in.
,, Ground ,, Sea Level ....ft.

W. D.
copy made [illegible] MO 7
9/38
Cond. for W.D.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following (–)

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.54	.31	—	—	—	—	—	—	.14	.08	—	.20		1
2	.43	—	.15	—	—	—	—	—	.08	.19	.19	.23		2
3	.15	.38	—	—	—	—	.19	—	—	—	—	1.09		3
4	.05	.57	—	.22	—	.30	—	—	.02	—	—	—		4
5	.24	.15	—	—	.40	—	.08	.21	—	—	—	.75		5
6	.87	—	.28	.07	—	—	—	—	—	—	—	—		6
7	.38	.12	—	.25	—	—	—	—	—	—	—	—		7
8	—	.75	—	.19	—	—	—	—	—	—	.03	.53		8
9	—	.24	—	.08	.08	.20	.25	—	.38	—	.27	—		9
10	—	—	—	—	.08	—	—	—	.17	—	—	—		10
11	.14	.24	—	—	—	.03	—	—	.45	—	—	—		11
12	.13	—	.78	.01	.26	.15	.49	—	.16	—	—	—		12
13	1.10	.49	—	—	—	.58	.05	.16	—	—	—	.75		13
14	.36	.03	—	.28	—	.18	.47	1.60	—	—	—	—		14
15	—	.10	.17	—	—	—	.60	—	.30	—	.02	—		15
16	.11	.25	—	.39	—	—	—	—	.36	—	—	—		16
17	.19	.16	.36	10	—	—	—	—	.12	—	—	—		17
18	.60	.20	.53	—	—	—	—	—	.08	—	.08	—		18
19	—	.13	.31	—	—	—	—	—	.26	—	.33	—		19
20	.25	.05	.13	.12	—	.09	—	—	.05	—	—	—		20
21	.35	.15	.08	.69	—	—	.65	—	.02	—	—	—		21
22	.50	.21	07	.07	15	—	.25	—	—	.13	—	—		22
23	.17	—	—	—	35	—	.62	—	—	.44	.62	—		23
24	.24	.38	—	—	.40	—	.06	—	—	15	.37	.95		24
25	.30	.43	—	—	—	—	.03	.35	.03	.30	—	—		25
26	—	.78	—	—	—	—	—	—	.05	.24	—	.10		26
27	—	.30	—	—	.27	—	—	—	—	—	—	.02		27
28	—	50	—	—	—	—	—	—	—	.45	—	—		28
29	—		—	—	—	.22	—	—	—	.08	14	—		29 up
30	—	✕	—	—	—	—	—	—	—	.87	—	.01		30 late
31	.27 .31	✕	.18	✕	—	✕	—	.49 .4	✕ .08	.40	✕ .20	—	d	31
TOTAL	~~7.37~~ 7.14	~~6.97~~ 6.66	3.07	2.47	1.99	1.75	3.74	~~2.81~~ 2.95	~~2.67~~ 2.61	~~3.35~~ 3.25	~~2.05~~ 2.25	~~4.63~~ 4.43	Year's Total ~~42.85~~	42.31
* Days with .01 in. or more.	~~21~~	~~23~~	~~11~~	~~12~~	~~8~~	~~8~~	~~12~~	~~5~~	~~16~~	~~11~~	~~9~~	~~10~~	~~146~~	
* Days with .04 in. or more.	21	~~22~~ 21	11	11	8	7	11	~~5~~6	13	~~11~~ 10	~~7~~ 8	~~8~~ 7	~~135~~	~~134~~

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4241/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at The Hall, Abbey Cwm Hir

in the County of Radnorshire

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground — ft. 10 in.

,, Ground ,, Sea Level .... ft.

wp. 35, 6 + 7

f 467239/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1			·27			·32	·06	·07		·29	·29	·46		1
2		·35				·65	·33			·46		·18		2
3		·04		·21	·06	·11	·14		·02	1·02	·09			3
4					·12	·05	·06	·39		·18	·04			4
5							·34	·11		·44	·04	·50		5
6	·03					·05	·24	·02		·46				6
7	·34					·54	·87	1·13	·20	·16		·26		7
8	·14						·34	·10		·70		·20		8
9	·26						·11	·02		·09		·10		9
10		·17				·52	·12			·12		·73		10
11	·50						·81			·10	·47	·28		11
12	·76	·06				·09	·10			·41	1·37	·19		12
13	·41				·25			·07		·02	·16	·18		13
14	1·32				·08						·02	·30		14
15					·10							·17		15
16	·45				·78		·31	·02		·13		·02		16
17	·16				·04				·16	·03				17
18						·06			·06	·17				18
19								·37			·54			19
20								·10			·39			20
21			·09								·34			21
22						·07		·15			·38	·09		22
23				·06							·44			23
24				·03	·14			·02	·18					24
25	·19	·13	·23		·12		·10	·27			·18			25
26	·26	·43	·04		·08	·10		·01		·45	1·15			26
27	·47	·60			·36	·50			·14	·50				27
28		·31			1·01		·47	·19	·06	·03	·47	·09		28
29	·21				·02	·44	·24		·04	·08	·03	·09		29
30	·23	✗			·66		·03		·31		·11	·12		30
31		✗	·04	✗	·01	✗		·06	✗		✗	·36	Year's Total	31
TOTAL	5·73	2·09	·67	·30	3·93	3·50	4·67	3·10	1·17	5·84	6·46	4·32	41·78	41·78
* Days with .01 in. or more.	15	8	4	3	15	13	17	17	9	20	18	18	157	
* Days with .04 in. or more.	14	8	4	2	13	13	16	13	8	17	16	17	141	

no apparent improvement in 1938 ↓ wp GB 27/4/39

COL. John L. Phillips *

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

* per River Wye Catchment B[illegible]

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4241/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Abbey-Cwmhir (The Hall)

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 878 ft.

877

1938 n.p unreliable

£467239/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following 1940 —

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	·44	·44	·06	– ?	·38	·12	–	·01	·04	·13		1
2	·02	–	·47	–	–	–	–	·24	·16	–	·06	·02		2
3	·21	–	·10	–	–	–	·01	·05	·03	–	·02	·70		3
4	·35	–	13	·76	–	–	·04	–	–	·14	·44	·62		4
5	·60	–	41	·24	·40	–	·33	–	–	·12	·44	–		5
6	–	–	·02	·23	–	–	·26	–	–	–	·14	–		6
7	–	–	·02	–	–	–	·83	·17	–	–	·52	·53		7
8	·01	·12	·04	–	–	–	·62	·02	–	·53	·65	·05		8
9	·03	·43	·37	–	·06	–	·30	·39	–	·22	·10	·42		9
10	·67	·30	·06	–	–	–	–	·03	·12	·57	·09	·20		10
11	·04	–	·10	–	–	·01	–	–	–	·15	–	·02		11
12	·30	12	–	·23	–	–	–	–	·11	·02	–	–		12
13	·33	14	–	·41	·09	·02	·78	–	·06	·04	–	–		13
14	·51	–	–	·03	·13	·19	·34	–	·04	·11	·29	–		14
15	·44	–	·07	·05	·03	·63	·34	–	–	–	·25	–		15
16	·15	–	·01	–	·26	·03	·01	–	–	–	·53	–		16
17	·68	·13	–	·09	–	·23	·01	–	–	·05	·03	–		17
18	–	·10	·02	–	–	·05	·46	–	–	·02	·83	–		18
19	34	–	–	–	–	–	·52	·02	–	–	·03	·03		19
20	–	·19	–	–	·01	–	·10	–	–	–	–	–		20
21	·25	·16	·28	–	·14	·15	·42	–	·01	–	–	–		21
22	·12	–	·12	·13	–	·30	·06	–	·01	–	·70	–		22
23	·36	–	·07	–	–	–	·20	–	–	–	·41	–		23
24	·10	·40	–	·10	–	·10	–	–	–	–	–	–		24
25	–	34	–	–	–	–	–	–	–	–	1·33	–		25
26	–	–	–	–	–	–	·11	·11	–	·33	·30	–		26
27	·50	·18	–	–	–	–	·13	·11	–	–	·14	–		27
28	–	·70	–	–	–	·19	·77	·06	–	·01	·37	–		28
29	–		·18	–	–	·22	1·70	–	–	·06	·50	–		29
30	–	✗	–	·30	–	·13	·09	–	–	·05	·08	·17		30
31	–	✗	–	✗	–	✗	·04	·15	✗	·05	✗	·01		31
													Year's Total	
TOTAL	6·01	3·28	2·91	3·01	1·18	2·25	8·65	1·47	·54	2·48	8·29	2·90	42·97	
* Days with .01 in. or more.	20	13	18	12	9	13	25	12	8	17	24	12	183	
* Days with .04 in. or more.	17	13	14	11	7	10	22	9	5	13	21	8	150	

* per [illegible] Board

Col J. L. Philipps

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) J. L. Philipps

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 4241/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Abbey Cwmhir

in the County of

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft. 1.0 in.

„ Ground „ Sea Level 877 ft.

Nov 2 estd from nearby stns.

Jan 27-31 ecord for snow

No 1935-9

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	-	-	.06	.04	-	-	-	-	-	.62	-		1
2	-	-	-	24	-	-	04	-	-	-	(1.88) ~~.38~~	40		2
3	-	-	-	.06	-	-	.03	-	-	09	.73	03		3
4	-	.30	-	-	-	-	.01	-	-	10	.17	.08		4
5	-	.25	-	-	.14	-	.05	-	-	51	.80	.15		5
6	.14	.23	-	-	-	-	.11	-	-	.49	.05	.21		6
7	.03	.40	-	-	.02	-	48	-	.10	44	-	-		7
8	-	-	-	-	.25	-	.06	-	-	53	.06	.35		8
9	-	-	-	.05	-	-	.90	.16	.10	27	1.10	.38		9
10	-	-	.12	-	-	-	.12	.14	-	16	.10	.61		10
11	-	-	03	-	-	-	.71	-	-	-	1.35	.14		11
12	-	-	19	-	-	.10	.70	-	.45	-	.30	-		12
13	-	-	-	-	-	-	.06	.03	.15	-	.04	.04		13
14	-	.07	-	.14	-	-	-	-	.08	.27	.04	.49		14
15	-	-	.25	.05	.95	.26	.01	-	.13	20	.22	.05		15
16	-	-	-	.02	-	-	.14	-	.38	.14	.77	-		16
17	-	.22	.18	.48	-	-	.12	-	.07	-	.08	-		17
18	.28	.49	33	-	-	-	-	-	.09	.01	-	.20		18
19	-	.08	.66	.15	-	-	.46	-	-	-	.26	-		19
20	-	-	.34	.17	-	-	.62	.07	-	.14	.03	-		20
21	-	-	02	-	.15	.39	04	-	-	-	1.28	-		21
22	-	.01	.05	.06	.07	.38	-	.01	.08	-	.01	-		22
23	-	.08	.10	.10	.36	.07	-	-	16	.01	.03	-		23
24	-	-	-	-	-	-	.07	-	-	-	-	-		24
25	.23	-	-	.04	.14	-	-	-	.01	-	-	-		25
1.98 26	1.16	.49	-	.13	.40	-	.13	.13	-	-	-	.01		26
27	~~.31~~ 4	.43	-	.34	-	-	.27	-	-	-	.09	-		27
28	~~.28~~ 4	.12	-	.23	.30	-	-	-	-	-	-	.02		28
29	(1.29)	-	.23	25	.01	.06	.03	-	-	-	-	.32		29
30	-		.01	.47	.02	-	-	-	-	.53	-	.08		30
31	-4		.45		-		-	-		1.24		-		31
TOTAL	3.13 ~~2.43~~	3.17	2.96	3.04	2.85	1.26	5.16	.54	1.80	5.13	10.01 ~~9.51~~	3.56	Year's Total ~~41.41~~	42.61
* Days with .01 in. or more.	~~7~~8	13	14	18	13	6	22	6	12	16	22	17	~~166~~	167
* Days with .04 in. or more.	~~6~~7	12	11	17	10	6	18	4	11	14	19	14	~~142~~	143

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

* Per R. Wye C. Brd.

(Signed) Lt Col. J. L. Philips * [P.T.O.

LLANGUNLLO

~~[illegible]~~ 424l/6

LLANGUNLLO

RADNORSHIRE

1939 - 1940

780803

Section **A** for the entry of D
AIR MINISTRY.

Station No. 4241/6
ALL ORGANIZATION

FORM 1090

REGIST

39

Kept at ......Llangunllo
in the County of ....Rad
Diameter of Funnel of Gauge.......5
Height of top of Gauge above Groun
,, Ground ,, Sea L

Dec 18-31 counted for snow

67 239/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·30	—	27	—	69	—	21	·23	—	—	—	54		1
2	—	—	13	04	31	—	37	—	—	—	—			2
3	—	—	21	75	10	—	—	·08	—	—	07	86		3
4	·01	—	49	108	—	—	75	·14	—	75		35		4
5	—	—		92	—	—	89	—	·17	—	94	—		5
6	·71	08	—	—	—	—	64	·33	—	—	37	—		6
7	[illegible]	11	17	14	01	—	48	—	—	24	17	—		7
8	·78	37	38	01	—	—		·26	—	—	29	—		8
9	·07	29	05	—	—	—	55	—	—	—	46			9
10	·86	—	—	—	13	—	—	—	—	87	·03	87		10
11	·06	—	—	—	09	02	—	—	—	23	—	15		11
12	—	23	—	—	—	03	—	—	·27	04	78	01		12
13	—	—	—	08	—	—	—	—	·12	—	—	—		13
14		—	—	10	04	—	39	—		—	—	—		14
15	·150	01	—	33	—	31	26	—	—	—	13	—		15
16	·32	05	—	47	—	—	—	—		—	57	—		16
17	·56	13	—	—	—	28	28	—	—		28	—		17
18	·41	—	—	—	—	39	39	—				—		18
19	·23	—	—	—	08	—	33	—	—		76	—		19
20	·23	04	—	—	25	—	67	—	—		21	—		20
21		24	27	—	—	60	—	—	—	—	—	—		21
22	·88	—	56	—	—	55		—	—	—	07	—		22
23	·26	57	13		—	—	40	—	—	11	—			23
24	—	65	05	—	—	—	—	—	—	15	15	(22)		24
25	·26		—	—	—	—	—	—	—	—		—		25
26	·38	20	—	—	—	—	·07	·39	—	63	196	—		26
27	·25	75	24	01	—	83	—	—	—	—	—	—		27
28		33	—	—	—	—	47	—	—	—	—	—		28
29	·06		—	—	—	·08		·03	—	—	25			29
30	—	✕	—	·04		47	06	—	—	·35	16	—		30
31	—	✕	—	✕		✕	21	—	✕	·06	✕		(49·12)	31
TOTAL	8·11	4·05	2·95	3·97	1·70	3·56	8·12	1·46	·56	3·69	7·65	(3·00) ~~2·79~~	Year's Total ~~48·90~~	
* Days with .01 in. or more.	19	15	12	12	9	10	18	7	3	10	18	6		
* Days with .04 in. or more.	18	14	12	10	8	8	18	6	3	10	17	5		

"d"

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) ....D. E. Brickley [P.T.O.

† per Wye Catchment Board
‡ by courtesy of Local County Council

LLANGUNLLO

~~COPY FOR OFFICIAL USE~~

Section A for the entry of Daily Observations

Station No. 424/6

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Dec 18-31 [illegible]

Kept at Llangunllo
in the County of Radnor
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. – in.
,, Ground ,, Sea Level ~~800~~ ft. 776

£·467 229/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·30	–	27	–	69	–	21	·23	–	–	–	54		1
2	–	–	13	04	31	–	37	–	–	–	–			2
3	–	–	21	75	10	–	–	·08	–	–	07	86		3
4	·01	–	49	108	–	–	75	·14	–	75		35		4
5	–	–		92	–	–	89	–	·17	–	94	–		5
6	·71	08	–	–	–	–	64	·33	–	–	37	–		6
7	[illegible]	11	17	14	01	–	48	–	–	24	17	–		7
8	·78	37	38	01	–	–		·26		–	29	–		8
9	·07	29	05	–	–	–	55	–		–	46			9
10	·86	–	–	–	13	–	–	–	–	87	·03	87		10
11	·06	–	–	–	09	02	–	–	–	23	–	15		11
12	–	23	–	–	–	03	–	–	·27	04	18	01		12
13	–	–	–	08	–	–	–	–	·17	–	–			13
14		–	–	10	04	–	39	–	–	–	–	–		14
15	1·50	01	–	33	–	31	26	–	–	–	13	–		15
16	·32	05	–	47	–	–	–	–	–	–	59	–		16
17	·56	13	–	–	–	28	28	–	–		28	–		17
18	·41	–	–	–	–	39	39	–				–		18
19	·23	–	–	–	08	–	33	–	–		76	–		19
20	·23	04	–	–	25	–	67	–	–		21	–		20
21		24	27	–	–	60	–	–	–	–	–	–		21
22	·88	–	56	–	–	55		–		–	07	–		22
23	·26	57	13		–	–	40	–		17	–	(22)		23
24	–	65	05	–	–	–	–	–	–	15	15	–		24
25	·26		–			–	–	–		–		–		25
26	·38	20	–		–	–	·07	·39	–	63	196	–		26
27	·25	75	24	01	–	83	–	–		–	–			27
28		33	–	–	–	–	47	–	–	–	–	–		28
29	·06		–	–	–	·08		·03	–	–	25	–		29
30	–	✕	–	04	–	47	106	–	–	·35	16	–		30
31	–	✕	–	✕		✕	21	–	✕	·06	✕		(49·12)	31
TOTAL	8·11	4·05	2·95	3·97	1·70	3·56	8·42	1·46	·56	3·69	7·65	(3·00) ~~2·73~~	Year's Total ~~48·90~~	
* Days with .01 in. or more.	19	15	12	12	9	10	18	7	3	10	18	6		
* Days with .04 in. or more.	18	14	12	10	8	8	18	6	3	10	17	5		

"d"

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) D. E. Brickley [P.T.O.

+ [illegible] Board.
‡ by courtesy of [illegible] County Council

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 4241/6

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Nov. total corr. for [illegible]. Jan adjusted for snowfall.

Copy by B.R.O.

Return amended by ref. to nearby stns.

Kept at Llangunllo

in the County of Radnor

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 776 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	–	–	–	–	–	–	–	–	–		1
2	–	–	–	·65	–	–	–	–	–	·21	~~·12~~	–		2
3	–	–	–	·04	–	–	–	–	–	–	–	–		3
4	–	(·43)	–	–	–	–	–	–	·04	–	–	(·80) ~~·01~~		4
5	–	~~·73~~	–	–	–	·01	·06	–	–	–	(6·00) ~~·09~~	–		5
6	x	(·04) ·34	–	–	·06	–	–	·01	–	–	~~·06~~	~~·07~~		6
7	✓	(·37) ~~·44~~	–		–	·72	·78	–	·17	·01	–	·46		7
8	·47	·61	–	·13	–	–	–	·54	–	·03	–	·23		8
9	–	–	–	–	–	–	–	–	–	–	–	·51		9
10	–	–	–	–	–	–	–	–	–	–	·36	·01		10
11	–	–	–	–	–	–	–	·27	(1·00) –	·16	(1·08)	–		11
12	–	–	(·50)	–	–	–	–	–	–	–	(·65) ~~·15~~	·13		12
13	–	–	–	–	–	–	–	–	–	–	–	–		13
14	–	–	–	–	–	–	–	–	–	·02	–	–		14
15	–	–	·23	–	·87	–	·03	–	·01	–	·03	(·70)		15
16	–	–	–	–	·62	–	–	–	(·60) ~~·06~~	–	(·79) ~~·19~~	–		16
17	–	–		–	–	–	–	–	–	–	·32	·01		17
18	x –		·97	–	–	·08	–	–	–	–	–	–		18
19	–	1·07	·39	·37	·43	–	–	–	–	–	(·31) ~~·01~~	–		19
20	–	–	·07	–		–	–	–	·21	·02	~~·08~~	–		20
21	–	–	·58	·72	–	–	–	–	–	–	(1·56)	–		21
22	–	–	–	–	–	–	–	–	–	–	–	·02		22
23	–	–	–	·08	–	·01	–	–	–	–	~~·83~~	–		23
24	–	·14		–	·64	–	–	–	(·20)	·15	~~·19~~	–		24
25	x –	·63	·01	–	·01	–	·06	–	–	·08	–	–		25
2·77 26	(2·50)	–	–			–	–	–	–	–	–	·01		26
27	x –	–	–	(1·50)	–	–	·47	–	·03	·31	~~·21~~	–		27
28	–	–	–	–	–	–	·61	–	–	–	~~·36~~	–		28
29	·27	–	–	–	–	–	–	–	–	·02	–	(·50)		29 WH
30	–	✕	(·55)	–	–	–	·02	–	–	–	–	–		30
31	–	✕	~~·05~~	✕	–	✕	–	–	✕	–	✕	–		31
TOTAL	(3·24) ~~·47~~	3·23 ~~4·43~~	3·30 ~~2·30~~	3·49 ~~1·99~~	2·63	·82	(5·00) ~~2·20~~	·82	(2·26) ~~·52~~	(5·70) ~~1·01~~	(11·40) ~~3·09~~	(3·38) ~~1·46~~	Year's Total ~~24·41~~	(44·97)
* Days with .01 in. or more.	7			6	6	4	7	3	5	10	15	10		"d"
* Days with .04 in. or more.	6			6	5	2	5	2	4	5	13	5		

up–too much estimation

† Spare column, no entries required.

(*Signed*) D. Buckley*

[P.T.O.

* See Instruction 3 (f) on other side.

*Per R. Wye & Brd.